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1964 Summer College Catalog

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SUMMER SESSION

STATE UNIVERSITY COLLEGE
AT CORTLAND, NEW YORK

1964

1964

SUMMER SESSION CALENDAR

JUNE 26-27	Registration
JUNE 29	Classes Begin
AUG. 6-7	Examinations, 6-week session
AUG. 7	Six-week Session closes
AUG. 10	Post-Session Begins
AUG. 21	Two-week Post-Session closes
AUG. 26	Three-week Post-Session closes

In the Three-week Post-Session, classes will meet on Saturday, August 15 and 22.

For specific dates of the many Short Sessions and Workshops offered during the 1964 Summer Session, consult pages 6-10 in this catalog.

State University College at Cortland, New York



1964
SUMMER SESSION BULLETIN
and
GRADUATE PROGRAM

The Cortland Summer Session

IN THIS CATALOG you will find more than one hundred and fifty courses and special seminars and workshops which have been arranged so that both graduate and undergraduate students have a wide selection. The regular staff of the college is supplemented by a number of outstanding teachers and lecturers. It is the aim of the summer session to provide excellent courses under the leadership of instructors who are particularly suited to serve the needs of the teachers and students who come to Cortland. It is this spirit of service that has distinguished the college and continues to be one of its prized assets.

Additional information concerning the 1964 Summer Session may be obtained by writing to:

Dr. Andrew M. Banse
Director of Summer Session
State University College
Cortland, New York 13045

Accreditation of the College

The State University College at Cortland has been accredited by the following official bodies: The Middle States Association of Colleges and Secondary Schools, The National Council for Accreditation of Teacher Education, and The Board of Regents of the University of the State of New York.

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THE SIX WEEK

GRADUATE PROGRAMS

In each of the areas listed below the college offers programs of study leading to the Master of Science degree. During the summer session full offerings of professional, technical, and cultural courses are available. Complete details of the requirements in each of these programs will be found in the Graduate section of this Bulletin.

1. **Elementary Education.** Courses and seminars in education, in materials and methods of subject fields such as reading and arithmetic. Newer developments in the field.
2. **Physical Education.** Complete graduate program for teachers in this special field. Some work required in related field of either health education or recreation education.
3. **Health Education.** Graduate courses and seminars for teachers already certified in health or physical education. Correlate study in physical education or recreation.
4. **Recreation Education.** For teachers and recreation leaders of industry and public communities. Builds on previous training in physical education, or health as well as upon recreation education.
5. **Secondary Education.** Courses in areas of English, social studies, science, and mathematics for secondary school teachers.
6. **For Teachers Seeking Certification.** All areas of study including elementary, secondary English, science, mathematics, and social studies, health education, and physical education provide technical and professional courses for teachers who may have deficiencies in their state certification. Specific advisement should be received from State Education Department prior to registration.

SUMMER SESSION

UNDERGRADUATE PROGRAMS

During the summer session the undergraduate offerings have been chosen to meet the anticipated needs of the groups listed below. The program is arranged so that each special group of students should be able to find a combination of courses that will fit its particular needs. More details and a listing of available courses will be found in another section of this bulletin.

1. **For Former Normal School Graduates.** Courses leading to the bachelor's degree for graduates from two-year and three-year normal school curricula.
2. **For Teachers Seeking Certification.** Various courses in elementary education, in secondary education, in health education, and physical education for meeting state certification in these areas.
3. **For Dental Hygiene Teachers.** All the courses required for either the permanent or the provisional certificate in this area, in New York State. Also a number of offerings for the elective section of certification requirements.
4. **For School Nurse Teachers.** Numerous courses in a variety of fields approved for meeting certification requirements. A special three-week short session. Also regular six-week offerings for fulfilling special field requirements.
5. **For Cortland Undergraduates.** Many courses in professional education and in areas of the liberal arts such as English, history, geography, science, mathematics, music, and art.
6. **For Students From Other Colleges.** For fulfilling deficiencies and for advancement of standing. Many courses in the traditional areas of science, social studies, English, etc., are available.
7. **Accelerating Students in Elementary and Secondary Education.** A special schedule is described in another section of this bulletin.

Workshops and Short Sessions

Note: The courses listed below are being offered provisionally during the summer sessions. The college reserves the right to cancel any class in which the enrollment is less than twelve students. Complete course descriptions will be found in the appropriate listing in this bulletin.

In Elementary Education

1. Education 541, Workshop for Primary Teachers.

Practical suggestions for the educational program for children, age five through eight. Developmental approach in teaching language arts, sciences, etc.

July 20 to August 7 12:30-3:30 3 semester hours

2. Education 511, Creative Writing in the Elementary School.

For teachers who would like to study the area of the language arts in some depth. Such topics as the nurturing of creativity, creative forms of writing, evaluation of creative writing will be included.

August 10 to August 26 9:00-12:00 3 semester hours
(Inc. Sat.)

In Academic Areas

1. Fine Arts 502, Oriental Art, The China Institute.

Under leadership of distinguished Oriental scholars, the group studies the art forms in oriental cultures with emphasis on the Chinese. A "China Night" and other group activities.

June 29 to July 17 12:30-3:30 3 semester hours

2. Social Studies 412, Contemporary Africa.

Problems of economic, political, cultural, and institutional changes in three major African regions.

July 20 to August 7 12:30-3:30 3 semester hours

3. **English 636, Seminar in Shakespeare.**
 Discussion of major plays for dramatic effectiveness, characterization, poetry and insight into elements of human experience.
 August 10 to August 26 9:00-12:00 3 semester hours
 (Inc. Sats.)

4. **English 477, Studies in Contemporary Literature.**
 Intensive study of two or three writers of twentieth century in America, British Isles and Europe.
 August 10 to August 26 9:00-12:00 3 semester hours
 (Inc. Sats.)

5. **Music 111, Foundations of Musical Expression I.**
 Concerned primarily with presentation of component parts of music, expression through study of theory and music literature.
 August 10 to August 26 9:00-12:00 3 semester hours
 (Inc. Sats.)

6. **Science 407, Laboratory and Field Biology**
 A science experience course with emphasis upon laboratory and field observations of plant and animal relationships in various ecological situations.
 July 20 to August 7 Raquette Lake Camp 3 semester hours

7. **Science 465, Workshop in Earth Science.**
 Physical properties and the formation of minerals, rocks and soils. Individual collections made.
 June 29 to July 17 Raquette Lake Camp 3 semester hours

8. **Science 463, Geology of New York State.**
 Land forms and geological events leading to their development.
 July 20 to August 7 To be arranged 3 semester hours

9. **Social Studies 538, Problems in Economics.**
 Selected concepts in economics chosen to improve economic understanding.
 August 10 to August 21 9:00-12:00 2 semester hours

10. **Social Studies 605, Leaders in American History.**
 Role of the individual in shaping of American past. Study of personality, leadership and influence.
 August 10 to August 26 9:00-12:00 3 semester hours
 (Inc. Sats.)

11. Social Studies 300, General Geography.

Basic geographic principles through study and interplay of human activities and natural environment.

August 10 to August 26 9:00-12:00 3 semester hours
(Inc. Sats.)

12. Social Studies 562, Workshop in Government and Politics.

Public policy and how it is formed. Emphasis upon New York State and local political party and interest group activities. Involves field trips. Some additional expenses will be involved in the trips. For details of the program, schedules and costs write to Mr. Henry Steck at the college.

August 10 to August 26 All Day 3 semester hours
(Inc. Sats.)

In Health Education

1. Health Education 582, School Nursing I.

Study of the function and service of school nurse teacher in family, school and community health.

June 29 to July 17 9:00-12:00 3 semester hours

2. Health Education 583, School Nursing II.

Advanced course, having H.E. 582 or equivalent as a prerequisite.

July 20 to August 7 9:00-12:00 3 semester hours

3. Health Education 512, Mental Health.

An advanced course laying stress on basic principles of mental hygiene on problems in total school situation.

July 20 to July 31 1:00-4:00 2 semester hours.

4. Health Education 530, Air Pollution Workshop.

Description and analysis of causative agents of air pollution and their effects upon man and society. Consultants from Federal and State agencies will be available.

July 6 to July 17 1:00-4:00 2 semester hours

5. Health Education 584, Family Case Work I.

Study of the health and social problems of the family. Explores the services and interrelationships of various community agencies. For school nurse-teachers.

July 20 to July 31

2:00-5:00

2 semester hours

In Physical Education

1. Physical Education 471, Driver Education.

For instructors of driver training in high school. Secondary school teaching certificate required in New York State.

June 15 to June 26

9:00-4:00

2 semester hours

August 10 to August 21

9:00-4:00

2 semester hours

2. Physical Education 571, Advanced Driver Education.

Evaluation of present practices in driver education. Research and study of current principles and policies in the field.

Prerequisite: PE 471 or equivalent.

August 10 to August 21

9:00-4:00

2 semester hours

3. Physical Education 528, Tennis Clinic.

June 15 to June 18

1 semester hour

June 22 to June 25

1 semester hour

4. Physical Education 529, Synchronized Swimming Clinic.

August 10 to August 21

9:00-12:00

2 semester hours

5. Physical Education 530, Football Clinic.

June 29 to July 10

3:00-6:00

2 semester hours

6. Physical Education 532, Basketball Clinic.

July 27 to August 7

3:00-6:00

2 semester hours

7. Physical Education 533, Baseball Clinic.

August 10 to August 21

9:00-12:00

2 semester hours

8. Physical Education 538, Gymnastics Clinic.

August 10 to August 21

9:00-12:00

2 semester hours

9. **Physical Education 539, Weight Training and Isometrics Clinic.**
July 13 to July 24 3:00-6:00 2 semester hours
10. **Physical Education 560, P.E. for Mentally Retarded Child.**
Provides opportunity for teachers to study and understand the nature and problems of the mentally retarded in Physical Education and Recreation.
July 13 to July 24 1:00-4:00 2 semester hours
11. **Physical Education 572, Dance in the School Program.**
Fundamentals of dance movement including folk, square and ball-room dance with adjustments to various school groups.
August 10 to August 21 9:00-12:00 2 semester hours
12. **Physical Education 690, Supervision of Physical Education.**
Emphasis on practical problems confronting supervisors of physical education, and analysis of basic principles of supervision.
August 10 to August 26 9:00-12:00 3 semester hours
(Inc. Sats.)
13. **Physical Education 693, Directorship Seminar I.**
Covers administrative problems confronting city and village directors of physical education and related areas.
June 29 to July 17 8:00-12:00 4 semester hours
14. **Physical Education 694, Directorship Seminar II.**
Continuation of PE 693.
July 20 to August 7 8:00-12:00 4 semester hours

In Recreation Education

1. **Recreation Education 538, Archery Clinic.**
June 29 to July 10 3:00-6:00 2 semester hours

ADMISSION TO SUMMER STUDY

All applications for summer study should be addressed to the Director of the Summer Session. They will then be given to the appropriate officers for action. Admission to summer study does not constitute admission to a degree program at the college.

People enrolling only in short sessions beginning after June 29 may register for such sessions on the first day that the class meets.

It is most important that all students be completely advised before registration. It is also desirable that most students be registered in advance of the opening of the summer session. Those people who are candidates for a degree at some other college and who wish to take specific courses at Cortland to be transferred to the other college should have a statement from the dean of the college concerned which will indicate the approval of courses to be transferred. People who wish to use specific courses to meet state certification requirements must obtain the approval of the state education department. The college officially advises only those people who are candidates for a degree.

All students should use the Advisement Inquiry form which is enclosed with this catalog. This will be processed through the payment of fees. All students whose registration is completed in advance will not need to report on June 26-27 but will attend classes beginning June 29. While advisement and registration may be completed by mail (before May 15, 1964), it is urged that people take advantage of advisement on the campus at Cortland according to the schedule below.

Advisement Dates on Campus

<i>Graduate Students</i>	<i>Dates</i>	<i>Hours</i>
Advisement and pre-registration	April 18	9:00-12:00
	May 23	9:00-12:00
<i>In-Service Teachers (B.S. Degree Candidates)</i>		
Advisement and pre-registration	April 18	9:00-12:00
	May 23	9:00-12:00
<i>Undergraduates on Campus</i>	May 20, 21, 22	9:00- 4:00

A student having an assigned adviser should make arrangements well in advance to meet his adviser on one of the above dates.

Students having no adviser should report to the Summer Session office for proper routing, on one of the above-stated dates.

ACADEMIC REGULATIONS AND PROCEDURES

Student Responsibility

During the summer sessions the principles and regulations governing course work and credit which are printed in the regular college catalog remain in force. The college expects those who are admitted to carry their responsibilities as students so that their work is a credit to themselves and to the college. Hence, the college reserves the right to terminate the enrollment of any student whose conduct, class attendance, or academic record is unsatisfactory to the college officials.

Cancellation of Classes

The college expects to offer all regular classes scheduled. However, if enrollments in some classes in the six-week session are as low as eight students, the college reserves the right to cancel such classes and adjust the programs of students affected. Certain short session work such as courses listed in the pre-session and the post-session require minimum enrollments.

Grades and Standards

During the summer session the same standards and marking system as employed during the regular college year and described in the general college catalog will be used.

Final grades will be mailed directly to the students at the close of the summer session.

Transcripts

At the end of each session in attendance, the student is entitled to one free transcript. Additional copies may be secured at the cost of \$1.00 each. Requests for undergraduate transcripts should be directed to the Registrar's office. Graduate transcripts are issued by the Graduate office.

Normal and Maximum Loads

The normal load of college work receiving credit is six semester hours in six weeks. Students of superior ability, as revealed through previous records, will be permitted to carry a maximum load of not to exceed eight semester hours in six weeks.

FEES AND EXPENSES

State University of New York has established tuition and college fees for summer sessions, as indicated below:

Tuition, per semester of credit

For undergraduates (New York state resident)	\$13.50
For undergraduates (out-of-state)	20.00
For all graduate students	20.00

State University Fee

For each summer session student, per semester hour of credit85
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College charges for the summer include:

College Activity Tax, per student enrolled in regular summer session	3.00
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Graduation Charges, for students in final term of work:

A. Candidates for the bachelor's degree	12.00
B. Candidates for the master's degree	14.00

Late Registration Charge (chargeable after June 27)	5.00
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A student leaving the summer session or withdrawing from a summer session course at any time during the first five school days of the session shall be entitled to a refund of the amount of the fee paid for the summer session or for the course. There is no refund of the College Activity Tax or Late Registration Fee.

Students who are enrolled only in a workshop or short session do not pay the College Activity Tax and hence do not participate in the social and recreational affairs of the summer session. Each such workshop group may adopt its own extra-class activity.

Lockers and Towels

Students who need towels and locker space may arrange for them on June 30 and July 1 (Room 109). A representative of the Faculty-Student Association will collect \$2.00 for each locker and towel needed.

Free Instructional Service for Supervisors

In-service teachers who have supervised student-cadet teachers during the previous two school years are granted tuition-free study

on the basis of one course for having served as a cadet-teacher sponsor for one-half semester, but not to exceed a total of twelve credit hours per academic year. This applies only to sponsor teacher service that has been *completed* during the two previous calendar years *immediately preceding enrollment*.

Facilities of the College

All the facilities of the college which serve nearly three thousand students during the regular year will be available for the summer session. Thus classrooms, conference rooms, laboratories, housing units, and food services will be provided in accord with the summer needs. The college will operate the campus elementary school so that students in the early stages of teacher preparation may observe and participate in the work of teaching.

In a summer session the most important facility is the faculty of competent educational leaders. The staff includes people chosen from the regular college faculty and visiting professors who have been selected for a particular service. At Cortland, the summer staff is generally available for counsel on problems that fall within their own areas of specialization.

Location of the College

Cortland is located at the geographical center of the state about midway between Binghamton and Syracuse. Because of the altitude of more than twelve hundred feet, the summer climate is usually very delightful.

ANNOUNCEMENTS

Student Health Service

During the summer, health services will be furnished at the James M. McDonald Student Health Center at 60 Tompkins Street. Health service at the college is of two types: (a) an out-patient department provides for the everyday routine needs of ambulatory patients through regular daily clinic hours and (b) an in-patient department or infirmary provides for those patients needing bed rest and more intensive care.

For serious illness, major surgery and specialist care, students are hospitalized in the Cortland Memorial Hospital under the care of any local physician of the patient's choice. These physicians work in close cooperation with the college physicians and the College Health Service. All expenses incurred with local or non-college physicians and hospitals must be borne by the student. Regular students at the college at Cortland who were enrolled for the previous academic year are automatically covered within the terms of their policy for medical and hospital care through August 31.

Residence for Students

During the summer, the College Residence Halls are open to both graduate and undergraduate students.

A woman over 22, a dental hygienist, or a temporarily enrolled woman student who has had two years of post high school study and two years work experience will be grouped with graduate students. The Graduate Hall is open for the six-week session only. Any graduate student who will be enrolled for the eight-week period should be prepared to move into the undergraduate hall at the close of the six-week session.

Graduate and undergraduate residence halls for women are locked at midnight except on Saturdays when the time is one hour later. This is done for the safety of the residents. Graduate students who would be unable to keep these hours are asked to seek private housing.

A limited number of apartments and rooms in private houses are available through the office of the Dean of Women.

Information concerning summer housing arrangements can be secured from the Dean of Women, or Dean of Men as the case may be.

Veterans' Benefits

Veterans who are planning to study at Cortland under Public Law 550, the "Korean Veteran's Bill," should file VA Form 7-1990 "Application for Program of Education and Training" with the Veterans Administration. This should be done in advance of the opening of the summer session. The veteran must report to the College Veterans' Office in Room 113 during the registration period with his "Certificate for Education and Training," VA Form 7-1993. He must report to the office at the end of each month and sign the certificate of attendance.

The Veterans Administration determines all policies governing the administration of the law. Technical questions should be referred to the nearest Regional Office of the Veterans Administration.

Veterans pay fees when due the same as all other students.

War Service Scholarships

War Service Scholarship recipients should notify the College Business Office of such scholarships before the official opening registration date of the summer session. If no notification is received by the Business Office, no exemption from payment of fees can be granted. All scholarship transactions are handled through the College Business Office.

The College Bookstore

The College Bookstore, located in Neubig Hall, sells textbooks and miscellaneous college supplies.

Teacher Placement Service

The services of the Placement Office are available, without cost, to members of senior classes, former graduates, and to matriculated graduate students including those enrolled in the Intensive Teacher Training Program. The Placement Office compiles credentials and assists candidates for professional positions in making contacts with school officials.

Library Facilities

This summer the new college library building will be open with more than adequate facilities. More than 75,000 volumes and nearly

650 current periodicals form the basic collections. With a seating capacity of approximately one thousand and with library hours each day and evening and on Saturdays it is expected that students will find it pleasant to pursue serious study in the several academic and professional fields.

The Teaching Materials Center which houses books, curriculum guides, and similar professional materials which are keyed directly to teaching will continue to be maintained on the second floor of the new education building.

Student Parking

The college maintains parking lots for student use. Under no circumstances are students to park in college driveways, posted areas, or in parking lots reserved for the summer staff of the college. Students with physical disabilities, who believe they should receive special attention, should consult with the Dean of Men's Office, Room 113, Main Building. Traffic regulations similar to those in effect during the regular college year apply to the summer session.

Recreation and Special Events

Many recreational facilities are available in the college and in the community of Cortland. These range from sports such as swimming and golf to cultural activities such as music and drama. The college, through a committee of students and faculty members, plans a program of picnics, luncheons, discussions, and lectures.

Several summer theatres are within easy driving distance. This summer, as in past summers, groups of students with a common interest may organize special theatre groups.

Special workshops and seminars bring to the campus outstanding speakers in their special fields. Many of these lectures are open to all college students.

A Varied Summer Program

The 1964 summer session offers more than a hundred courses for the professional and cultural development of students and teachers. In addition to this the college has scheduled numerous special workshops, institutes, and short sessions ranging from two to three weeks. This enables a student a very wide range of choice. He may enroll for one or more courses for six weeks and supplement this selection

by choosing one or more of the special shorter sessions. By selecting two consecutive short sessions a student can arrange a full-time program of units of intensive study.

Coordinating With Extension Program

Since many of the summer students at Cortland take extension courses offered by the college during the year it is wise to select summer courses that are usually not available in extension if those are needed to complete the requirements for a degree. The extension schedule usually contains many courses in the fields of education, English, and social studies. Laboratory courses in science are not offered in extension. This extension schedule for 1964-1965 will be available early in the summer session.

Choosing a Summer Program

Summer students should consult with their appropriate advisers in selecting appropriate courses or workshops for their particular needs. After having studied the list of courses and course descriptions a tentative schedule should be prepared. In the front of this catalog is a double green sheet which should be filled out and mailed to the college. This will enable a student to complete his registration by mail. Students must send in the Advisement Inquiry Form by May 1 in order to allow advisers time to check the proposed courses.

ADVANCE REGISTRATION

By sending the Advisement Inquiry Form to the college before May first, your advisement and registration may be completed by mail so that you need not report on registration dates, June 26-27. All who have completed registration including payment of fees by mail will report for classes on June 29. There is an extra fee for those who do not complete registration before June 29.

To facilitate registration the following dates have been established for advisement on campus.

<i>Graduate Students</i>	<i>Dates</i>	<i>Hours</i>
Advisement and pre-registration	April 18	9:00-12:00
	May 23	9:00-12:00
<i>In-Service Teachers (B.S. Degree Candidates)</i>		
Advisement and pre-registration	April 18	9:00-12:00
	May 23	9:00-12:00
<i>Undergraduates on Campus</i>	May 20, 21, 22	9:00- 4:00

SPECIAL UNDERGRADUATE PROGRAMS

School Dental Hygiene Teacher Certification

The Certification Division of the State Education Department has approved the courses offered by this college for the permanent certificate. The following courses are required for certification and are given this summer.

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Time</i>
HE 418—Nutrition I	2	11:30-12:30
HE 419—Nutrition II	2	12:30- 1:30
HE 313—Mental and Emotional Health	2	7:30- 8:30
		or
		9:00-10:00
		or
		10:30-11:30
		or
		12:00- 1:00
Ed 475—History & Phil. of Ed.	2	7:30- 8:30
HE 490—Health Ed. Seminar	2	9:00-10:00
HE 481—Case Studies—School Health Service	2	7:30- 8:30
		or
		10:30-11:30
ELECTIVE COURSES		
Ed 118—Educational Psychology	3	10:30-11:45
HE 512—Mental Health Seminar	2	1:00- 4:00
(July 20-July 31)		

School Nurse Teacher Certification

The courses offered by this college for school nurse teachers are approved for certification by the State Education Department. Available this summer are the following courses.

SHORT SESSION COURSES

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Time</i>
HE 582—School Nursing I (Principles and Practices of School Nursing) (June 29-July 17)	3	9:00-12:00
HE 583—School Nursing II (Principles and Practices of School Nursing) (July 20-Aug. 7)	3	9:00-12:00
HE 584—Family Case Work I (July 20-July 31)	2	2:00- 5:00
HE 512—Mental Health Seminar (July 20-July 31)	2	1:00- 4:00

SIX-WEEK SESSION

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Time</i>
Ed 485—Org. & Adm. of Schools	2	1:30- 2:30
HE 418—Nutrition I	2	11:30-12:30
HE 419—Nutrition II	2	12:30- 1:30
Ed 500—Child Development	3	9:00-10:15
SS 250—Introduction to Sociology	3	7:30- 8:45
(Applied Sociology)		or 9:00-10:15

Undergraduate Accelerate Program

Students may elect to complete their regular four-year college course in three calendar years by attending three academic years and three summer sessions of eight and one-half weeks. The director of the appropriate division of instruction determines eligibility to enter and to remain in any accelerate program.

Acceleration in Elementary Education

SIX WEEKS JUNE 29-AUGUST 7

POST SESSION AUGUST 10-AUGUST 26

FOR THOSE WHO ENTERED IN SEPTEMBER 1963:

SIX WEEK SESSION

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Time</i>
Art 211—Backgrounds in Art		
or	3	7:30- 8:45
Eng 210—American Lit & Comp		
Sc 161—Earth Science	3	9:00- 9:50 1:30- 2:10 (Lab)
PE Activity	1 (½)	10:30-11:20
	7 (½)	12:00-12:50
	(½)	1:00- 1:50
	(1)	2:00- 3:40

POST SESSION

Mu 111—Found. of Mus. Expression	3	9:00-12:00
TOTAL:	10	

FOR THOSE WHO ENTERED IN SEPTEMBER 1962:

SIX WEEK SESSION

Ed 462—Child & Curriculum III	2	7:30- 8:30
Ph 200—Intro. to Philosophy		
or		
Free Elective	3	9:00-10:15
*Free Elective	3	10:30-11:45
	8	

*Recommend Art Elective

POST SESSION

<i>Subject</i>	<i>Sem. Hrs.</i>	<i>Time</i>
SS 300—General Geography	3	9:00-12:00
TOTAL:	11	

FOR THOSE WHO ENTERED IN SEPTEMBER 1961:

SIX WEEK SESSION

Ed Elective	3	7:30- 8:45
Ed 446—Ind. Prob.	1	to be arranged
or		
Ed Elective	2	7:30- 8:30
Ed Elective	2	9:00-10:00
Ed 471—Found. of Modern Ed		
or	3	10:30-11:45
Free Elective		
PE Activity	1	(½) 10:30-11:20
	7-8	(½) 12:00-12:50
		(½) 1:00- 1:50
		(1) 2:00- 3:40

POST SESSION

Social Studies Elective		9:00-12:00
or	3	
English Elective		9:00-12:00
TOTAL:	10 or 11	

Acceleration in Secondary Programs

The 1964 Summer Session has been planned so that students in the regular secondary programs at this college may accelerate. Only students in high academic standing are encouraged to consider acceleration. Because of the diversity of these programs, it is impossible to list specific courses. The accelerate student should plan his program with his advisor and have it approved by the Departmental Coordinator well in advance of the opening of the Summer Session.

Bachelor of Science Program for In-Service Teachers

Graduates of 2-year and 3-year Normal School programs and holders of certain types of teaching certificates, issued by the New York State Education Department, are eligible for admission to the Bachelor of Science degree program at this college.

Applicants who are not graduates of our former 2- or 3-year Normal School program must have certified photostatic copies of their certificate and official transcripts of courses completed at other colleges on file at this college before action can be taken on the application for admission to the degree program.

Correspondence concerning the completion of requirements leading to the Bachelor of Science degree should be addressed to the Assistant Director of Elementary Education.

THE GRADUATE DIVISION

THE SUMMER SESSION OF 1964

Curricula Leading to the Master's Degree

ELEMENTARY EDUCATION

HEALTH EDUCATION

PHYSICAL EDUCATION

RECREATION EDUCATION

SECONDARY EDUCATION IN MATHEMATICS,

SCIENCE, ENGLISH, AND SOCIAL STUDIES

Regulations and Procedures

The Graduate Program at Cortland

The several graduate curricula have been developed in terms of the needs and interests of teachers in service. Each curriculum provides for study in both the professional and the liberal-cultural fields with a wide range of choice. When a student is matriculated and becomes a candidate for the master of science degree, an adviser is assigned. It is the function of the adviser to plan with the student so that his program becomes genuinely functional and useful.

Graduate study is offered at Cortland during the summer session. Extension courses are available during the regular academic year. Thus teachers may earn their master's degrees while continuing their regular employment.

Admission to Graduate Study

Individual graduate courses in the college are open to students who hold a baccalaureate degree from a recognized college and to individuals who through personal study and maturity satisfy instructors that they may profitably pursue such courses. Admission to graduate study does not constitute candidacy for a master's degree. Admission to a program of graduate study is arranged through consultation with the Director of the Division in which the student's major work will be taken. A student is considered a candidate for the master's degree only upon completion of matriculation with the Graduate Council of the college.

Matriculation for the Master's Degree

Graduate students become candidates for the master's degree only through the process of matriculation. When a student has completed a minimum of six semester hours in residence with grades of B or above, he may apply for matriculation on forms available in the graduate office. Students are urged to apply for matriculation as soon as they are eligible and thus avoid the possibility of taking courses which may not be acceptable for the master's degree. The Graduate Council of the college acts upon these applications and informs the student by letter of the action of the council. Students in

their first summer of resident study should obtain matriculation forms and file them at the close of the session. At the time of matriculation an adviser is appointed. In general, the College expects *a minimum of 18 hours to be completed after matriculation and a minimum of 20 hours at the 600 level.*

The Graduate Student and His Adviser

Graduate students must plan their programs for the completion of the work for the master's degree with their advisers. If one's adviser is not in residence for the summer or other term, the student will then consult with the director of the major division.

Extension Courses and Transferred Credit

All courses that are counted toward the master's degree must be approved by the adviser. Therefore it is most important that such approval be arranged *in advance of taking a course* in extension or from some other college. Any course credited toward the degree must be applicable to the purpose of the program, e.g., a course in secondary education may be useful in physical education but not in elementary education.

Credit Requirements for the Master's Degree

The college requires that each candidate for the master's degree meet the curricular requirements for the degree and also certification requirements in the field in which the degree is awarded. A total of 32 semester hours of study is required for the master's degree in each curriculum.

In general, twenty-four of the thirty-two semester hours required for the master's degree must be taken on the campus at Cortland either in summer sessions or in on-campus extension courses. However, for students who completed their undergraduate work at Cortland, the total residence may be reduced to twenty semester hours by approval of the Graduate Council, provided that the total of 12 semester hours to be transferred or taken in off-campus extension includes a minimum of four semester hours *taken in residence* at some other college.

Credit toward the master's degree will be accepted in transfer from other accredited colleges that award a graduate degree, pro-

vided the courses fit into the curricula offered at Cortland and meet the standards set by this college. The adviser should be consulted and approve courses in advance of enrollment.

Scholarship Requirements and Student Load

Each candidate for the degree must complete 17 credit hours with "A" or "B" marks. Under no circumstances will the passing grade of "D" be counted for credit toward the master's degree.

The normal load during the summer session is one semester hour for each week of session time. For the six-week session, superior students may, with the approval of their adviser, carry additional hours but in no case will more than eight hours be allowed during such a session.

Research Project or Thesis

A candidate for the master's degree may pursue a particular investigation or field study and substitute this for two to four hours of the total requirement. The project or study must be planned with the candidate's adviser and the plan formally approved by the Graduate Council before the project is officially undertaken. The final report must meet the college's standards of presentation and after being approved by the adviser will be examined and evaluated by the Graduate Council.

Fees and Expenses

The tuition and State University fee for graduate study are \$20.85 per semester hour of credit. Additional charges to cover laboratory supplies and costs of field trips will be collected in courses where they are essential. All fees are payable at the time of enrollment.

A graduation charge of \$14.00 to cover the cost of the diploma and academic procedures at the time of the award of the degree is payable before the degree is granted.

Time Limitation

Credit to be offered for the master's degree must, as a rule, be completed within five years from the date of matriculation. In special cases this period may be extended by action of the Graduate Council.

The Award of the Degree

It is the student's responsibility to check with the adviser on all necessary regulations pertaining to satisfactory completion of the requirements for the degree and the award thereof. The adviser will commend the student for the degree, and the Graduate Council will consult with the special department concerned and recommend the candidate to the graduate faculty for the degree, Master of Science. The degree will be conferred at the annual commencement in June after the work is completed.

Graduate Curricula

A graduate student is matriculated in one of the special curricula shown below. Each program requires an undergraduate specialization or major and certification to teach in that field as prerequisites. The student's program must fall into the general framework of one of the curricula with the advice and consent of the adviser. More specific prescriptions are being planned within the frameworks shown below and will be applicable to those who matriculate after September, 1964. Each student's program will be planned in terms of his current and potential future needs.

ELEMENTARY EDUCATION

Elementary Education: Kgn.—Gr. 6

1. Courses in professional education 12 to 16 Sem. Hrs.
2. Courses in liberal-cultural fields 16 to 20 Sem. Hrs.
(A student must have permanent certification in elementary education.)

SPECIAL FIELDS

Physical Education

Health Education

Recreation Education

1. Courses in field of specialization 10 to 12 Sem. Hrs.
2. Courses in field(s) related to specialization 4 to 10 Sem. Hrs.
3. Courses in general education 10 to 18 Sem. Hrs.
(A student must have certification or an undergraduate major in the field of specialization selected.)

SECONDARY EDUCATION

Secondary English

1. Courses in English 18 Sem. Hrs.
(Including En 632 or En 639, En 672, En 601)
English electives

2. Electives under guidance 14 Sem. Hrs.
 (A minimum of 20 Sem. Hrs. must be earned in courses numbered above 599.)
 (Students must have provisional certification to teach secondary English.)

Secondary Mathematics

1. Courses in professional education 6 to 14 Sem. Hrs.
 (Including Ed 675 & Ed 653)
2. Courses in mathematics 9 to 17 Sem. Hrs.
3. Courses in general education 9 to 17 Sem. Hrs.
 (A student must have provisional certification to teach secondary mathematics and complete a minimum of 20 semester hours of 600-level courses.)

Secondary Science

1. Courses in professional education 6 to 14 Sem. Hrs.
 (Including Ed 675 & Ed 653)
2. Courses in science 9 to 17 Sem. Hrs.
 (Including Sc 681)
3. Courses in general education 9 to 17 Sem. Hrs.
 (A student must have provisional certification to teach secondary science and complete a minimum of 20 semester hours of 600-level courses.)

Secondary Social Studies

1. Courses in Social Sciences 15 to 21 Sem. Hrs.
 - a) Methodology and Techniques of
 SS Research 3
 - b) In any one of the following—
 Economics, Geography, History or
 Political Science 12
 or
 - c) In interdisciplinary Social Science
 courses (18)

2. Electives under guidance 11 Sem. Hrs.
(At least 5 of these to be in a single area in the Humanities, Mathematics or Science)
3. Free Electives 0 to 6 Sem. Hrs.
(Amount dependent upon area of concentration in specialization)
(A minimum of 20 Sem. Hrs. must be earned in courses numbered above 599.)
(Students must have provisional certification to teach secondary social studies.)

DESCRIPTION OF COURSES

The following courses are being offered during the 1964 summer session. The credit hours, the duration in weeks, the instructor, and the time schedule are printed with the course descriptions. The offering is grouped here by departments with lower level courses listed first.

KEY TO THE NUMBERING SYSTEM

Courses numbered from 100 to 399 are open to all undergraduate students. Courses numbered 400 to 599 are open to upper classmen and graduate students.* (Only a limited number of hours at the 400 to 599 level can be credited toward a Master of Science degree.—See catalog section on The Graduate Program.) Courses numbered 600 to 699 are open to graduate students only.

* Only courses at 400 level followed by a "g" (e.g. 422g) are open to graduate students.

Key to Course Symbols

Ar — Art	Mu — Music
FA — Fine Arts	Ph — Philosophy
Ed — Education	PE — Physical Education
En — English	Psy — Psychology
FL — Foreign Language	RE — Recreation Education
HE — Health Education	Sc — Science
Ma — Mathematics	SS — Social Studies

NOTE: All two semester hour courses will meet four days a week, on Monday, Tuesday, Thursday and Friday.

Art

Ar 211: BACKGROUNDS IN ART 3 sem. hr.

A study of basic art principles and concepts together with their historic development as shown through design in the visual art forms. Readings, visual materials, and essential experimentation will be used to give meaning to artistic creativity.

6 weeks Call: 104 7:30- 8:45 Room: 301 Schenker

Ar 415g: 19th AND 20th CENTURY PAINTING 3 sem. hr.

A study of the main movements of painting during the last two centuries with emphasis on the French School. Special attention to impressionism, fauvism, cubism, and surrealism. (No prerequisite.)

6 weeks Call: 107 12:00- 1:15 Room: 300 Kuhn

Ar 431: CREATIVE LETTERING AND LAYOUT 2 sem. hr.

A study of lettering, layout, and design in the planning of visual aids, charts, bulletin board arrangements, and other display forms.

6 weeks Call: 110 9:00-10:00 Room: 300 Atcheson

Ar 434: PRINTMAKING I 2 sem. hr.

The graphic processes used in the design and production of fine arts prints. Etching, linoleum and woodblock printing, and the silk screen process.

6 weeks Call: 113 12:00- 1:35 Room: 302 Atcheson

Ar 511: CONTEMPORARY ART 3 sem. hr.

Masterpieces which reflect current thinking and practices in the field of art. Special emphasis given to the works of American and European artists, architects, and craftsmen.

6 weeks Call: 116 10:30-11:45 Room: 301 Schenker

Ar 512: AMERICAN ART 3 sem. hr.

A survey of art in America from 1620 to the present. Special attention to the influences that shaped our nation's art, together with the contributions made.

6 weeks Call: 119 10:30-11:45 Room: 300 Stell

Ar 534: PRINTMAKING II 2 sem. hr.

Fundamental design principles essential to printing processes for reproduction, together with historical information of some of the graphic processes. Experimentation in at least one of the graphic areas such as etching, wood block techniques, lithographic drawing, or silk screen printing.

6 weeks Call: 122 12:00- 1:35 Room: 302 Atcheson

Education

Ed 100: CHILD STUDY 3 sem. hr.

Developmental factors of maturation and learning with application to teaching and child guidance. Not open to students who have taken Ed 101 or Ed 102. Prerequisite: General Psychology.

6 weeks Call: 201 12:00- 1:15 Room: E-D307 P. Clarke

Ed 118: EDUCATIONAL PSYCHOLOGY 3 sem. hr.

Basic course covering physical, mental, emotional, and social growth; learning; nature and causes of individual differences. Prerequisite: General Psychology.

6 weeks Call: 203 10:30-11:45 Room: E-D309

Ed 200: PRINCIPLES OF LEARNING FOR SECONDARY EDUCATION

3 sem. hr.

Basic course dealing with adolescent development and learning; for

secondary education majors and elementary education majors with junior high school specialization.

6 weeks Call: 205 9:00-10:15 Room: E-D309

Ed 226: METHODS & MATERIALS IN HEALTH EDUCATION I

2 sem. hr.

Study of the fundamental methods of teaching health in schools; evaluation and use of textbooks, audio-visual aids, and supplementary health education materials.

6 weeks Call: 207 7:30- 8:30 Room: P229 O'Reilly

Ed 429: PRIMARY READING

2 sem. hr.

Teaching of reading in the primary grades for upperclassmen who wish to concentrate upon this phase of the reading process. Prerequisite: Student Teaching and Child and Curriculum I.

6 weeks Call: 209 7:30- 8:30 Room E-D313 Bradley

Ed 441g: METHODS OF TEACHING ENGLISH IN SECONDARY SCHOOLS

3 sem. hr.

The materials and methods for teaching English in the Secondary Schools.

6 weeks Call: 212 7:30- 8:45 Room: 15 West

Ed 442g: TEACHING OF SECONDARY MATHEMATICS

3 sem. hr.

Techniques and materials in the teaching of mathematics in the junior and senior high school. Includes study of programs in general and experimental use. Consideration of special classroom problems, and means toward effectiveness of teaching.

6 weeks Call: 214 1:30- 2:45 Room: 129 Bryan

Ed 443g: METHODS OF TEACHING SCIENCE IN THE SECONDARY SCHOOL

3 sem. hr.

The materials and methods for teaching the several sciences in the secondary school.

6 weeks Call: 216 9:00- 9:50 Lec. Room: S-331 Lawrence
12:00- 1:40 Lab. Room: S-331 Lawrence

Ed 444g: METHODS OF TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS

3 sem. hr.

The materials and methods for teaching the social studies in the secondary schools.

6 weeks Call: 218 7:30- 8:45 Room: 200 Vanaria

Ed: 446: INDIVIDUAL-INDEPENDENT STUDY

1 or 2 sem. hr.

Provides individual study for student with special interest or problem in the area of curriculum or child development. Purpose and design of study to be determined by instructor-advisor. Cumulative record of professional evaluations and program will be utilized and weekly conferences held. Pre: Student Teaching.

6 weeks	(1 hr.)	Call: 220 TBA	Room: E-D-311	Carlson
6 weeks	(2 hr.)	Call: 221 TBA	Room: E-D-311	Carlson
6 weeks	(1 hr.)	Call: 222 TBA	Room: E-D-313	Bradley
6 weeks	(2 hr.)	Call: 223 TBA	Room: E-D-313	Bradley

Ed 462: CHILD AND CURRICULUM III 2 sem. hr.

Methods and materials in music and art in the elementary school. Units in evaluation and guidance. Prerequisite: Child and Curriculum I & II.

6 weeks	Call: 225	7:30- 8:30	Room: E-D-316	Carlson
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Ed 471: FOUNDATIONS OF MODERN EDUCATION 3 sem. hr.

Deals with social, historical and philosophical foundations of modern education. Emphasis on studying educational ideas, theory and practices of the past and present in order to aid the student to formulate a philosophy of education.

6 weeks	Call: 234	10:30-11:45	Room: E-D-310	Mack
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Ed 475: HISTORY AND PHILOSOPHY OF EDUCATION 2 sem. hr.

Major educational concepts from primitive times to the present, emphasizing the contributions of each period. Discussion of the principles of education congruent with the aims of education in our modern society. Includes special application to the areas of physical education and health.

6 weeks	Call: 236	7:30- 8:30	Room: E-D-308	Olcott
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Ed 485: ORGANIZATION AND ADMINISTRATION OF SCHOOLS 2 sem. hr.

Organization, supervision, and administration of public elementary and secondary schools; organization of public education; school and community relationships; aims, organization, and activities of professional associations of teachers. Includes special application to areas of physical education and health.

6 weeks	Call: 238	1:30- 2:30	Room: E-D-315	Olcott
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Ed 490: STUDENT TEACHING, ELEMENTARY EDUCATION 3 or 6 sem. hrs.

Teaching in the college campus school, under supervision.

6 weeks	Call: 239	7:30-12:00 for 3 sem. hrs.	Staff
6 weeks	Call: 241	7:30-12:00 and 1-2:15 for 6 sem. hrs.	Staff

Ed 500: CHILD DEVELOPMENT 3 sem. hr.

Basic principles of human growth and development. The social, emotional, physical and motor, intellectual and moral development of children and youth.

6 weeks	Call: 240	9:00-10:15	Room: E-D-306	P. Clarke
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Ed 501: EDUCATIONAL PSYCHOLOGY 3 sem. hr.

Psychology of learning and adjusting. Innate and environmental conditions affecting this behavior, learning and personality of children and youth. Prerequisite: Child Development or its equivalent.

6 weeks	Call: 242	10:30-11:45	Room: E-D-305	Helmer
6 weeks	Call: 244	12:00- 1:15	Room: E-D-306	Helmer

Ed 511: CREATIVE WRITING IN THE ELEMENTARY SCHOOL

3 sem. hr.

A two-week course for teachers who would like to study the area of the language arts in some depth. Such topics as the nurturing of creativity, creative forms of writing, evaluation of creative writing will be included.

3 weeks	Call: 245	9:00-12:00	Room: E-D-314	Pratt
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(8/10-8/26 Inc. Sats.)

Ed 520: AUDIO-VISUAL EDUCATION 3 sem. hr.

Acquaintance with nature and value of all audio-visual aids materials and machines commonly used in classroom instruction. Emphasis on teacher-prepared or pupil-made aids. Organization of an A. V. program and evaluation of it. Laboratory time is required in connection with this course to develop practice in the requisite skills and techniques. Not open to students credited with Audio-Visual Materials. Prerequisite: Student Teaching.

6 weeks	Call: 246	10:30-11:45	Room: E-D-216	Grant
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Ed 521: ELEMENTARY SCHOOL LANGUAGE ARTS 3 sem. hr.

Emphasis on guiding the child's language development in self-expression, communication, and clarification of thought. Study will be made of language research with its implication for improving utilitarian and creative expression. Prerequisite: Student Teaching or its equivalent.

6 weeks	Call: 248	12:00- 1:15	Room: E-D-313	McGrath
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Ed 522: ELEMENTARY SCHOOL MATHEMATICS 3 sem. hr.

Consideration given to objectives, curriculum trends, functions, modes of learning and evaluation in arithmetic. Opportunities for experimental work. Prerequisite: Student Teaching or its equivalent.

6 weeks	Call: 251	12:00- 1:15	Room: E-D-313	Kise
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Ed 523: ELEMENTARY SCHOOL SCIENCE 3 sem. hr.

Planning pupil activities for effective learning. Locating and utilizing teaching aids and developing science projects for children. Prerequisite: Student Teaching or its equivalent.

6 weeks	Call: 253	10:30-11:45	Room: S-331	Bleecker
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Ed 524: ELEMENTARY SCHOOL SOCIAL STUDIES 2 sem. hr.

Objectives, methods, materials, evaluation and the relationship of social studies to other curricular areas. Prerequisite: Student Teaching or its equivalent.

6 weeks	Call: 255	7:30- 8:30	Room: E-D-315	Werder
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Ed 526: ELEMENTARY SCHOOL METHODS AND MATERIALS

3 sem. hr.

For teachers with little or no experience in the regular program of the elementary school. Daily work with children.

6 weeks Call: 256 9:00- 1:50 Campus School Staff

Ed 529: ELEMENTARY SCHOOL READING

3 sem. hr.

Concepts of developmental reading emphasized. Current trends and research studies analyzed. Prerequisite: Student Teaching or equivalent.

6 weeks Call: 257 7:30- 8:45 Room: E-D-305 Braam

6 weeks Call: 259 10:30-11:45 Room: E-D-307 Bradley

Ed 530: ELEMENTARY SCHOOL ART

2 sem. hr.

Designed to provide the philosophy and competencies needed by the teacher to conduct an art program. Emphasis placed on developmental stages of children's aesthetic growth. Prerequisite: Student Teaching or equivalent.

6 weeks Call: 262 9:00-10:00 Room: 301 Kuhn

Ed 536: ELEMENTARY SCHOOL MUSIC

2 sem. hr.

Understanding the role of music in the elementary school and how to guide children in musical experiences. Emphasis placed upon reading songs. Prerequisite: Student Teaching or equivalent.

6 weeks Call: 264 12:00- 1:00 Room: 129 Forcucci

Ed 541: WORKSHOP FOR PRIMARY TEACHERS

3 sem. hr.

Practical suggestions for all of the educational program for children, age five through eight. Emphasis on a developmental approach to teaching the language arts, numbers, sciences (social and physical) and all forms of creative expression.

3 weeks Call: 266 12:30- 3:30 Room: E-D-313 Pratt

(7/20-8/7)

Ed 561: SEMINAR IN ELEMENTARY EDUCATION

3 sem. hr.

Emphasis on problems of group concern with opportunities for individual projects.

6 weeks Call: 268 12:00- 1:15 Room: E-D-219 G. Clarke

Ed 586: THE NONGRADED PRIMARY SCHOOL

2 sem. hr.

Organization, historical development, evaluation, and teaching procedures of the nongraded school. Discussions and reading highlight grade reorganization and reading levels programs.

6 weeks Call: 270 9:00-10:00 Room: E-D-308 Neff

Ed 600: ADVANCED CHILD STUDY

3 sem. hr.

Analysis of significant experimentation and its application. Prerequisite: Six hours of child development, general psychology or educational psychology.

6 weeks Call: 272 1:30- 2:45 Room: E-D-313 Mulholland

Ed 615: ADOLESCENT BEHAVIOR 3 sem. hr.
 Characteristics of adolescence. Principles fundamental to guiding adolescent behavior.
 6 weeks Call: 274 7:30- 8:45 Room: E-D-307 L. Cox
 6 weeks Call: 275 10:30-11:45 Room: E-D-314 L. Cox

Ed 616: PSYCHOLOGICAL FOUNDATIONS OF EDUCATION 3 sem. hr.
 Survey and analysis of the theories and systems of behavior which provide the basis for understanding and teaching children and youth.
 6 weeks Call: 277 12:00- 1:15 Room: E-D-216

Ed 618: PRINCIPLES AND APPLICATIONS OF EDUCATIONAL PSYCHOLOGY 3 sem. hr.
 Selected studies in learning theory and their applications. Prerequisite: Six hours of child development, general psychology or education psychology.
 6 weeks Call: 279 1:30- 2:45 Room: E-D-316

Ed 639: ANALYSIS AND CORRECTION OF READING DIFFICULTIES 3 sem. hr.
 Comprehensive survey of methods, materials, and research. Demonstrations, lectures, films, discussions, and preparation of kit for use in analyzing difficulties. For teachers, reading consultants, and supervisors. May be taken concurrently with Ed 694. Prerequisite: Elementary School Reading or equivalent.
 6 weeks Call: 280 7:30- 8:45 Room: E-D-216 Roehm

Ed 641: SEMINAR IN THE TEACHING OF SECONDARY ENGLISH 3 sem. hr.
 Examination of new developments in the teaching of English language, literature, and composition, with particular emphasis on current research and national trends. Individual projects permit application by students to their particular or anticipated teaching and/or supervisory situations.
 6 weeks Call: 281 10:30-11:45 Room: E-D-220 Hoth

Ed 649: IMPROVING READING SKILLS OF SECONDARY SCHOOL STUDENTS 6 sem. hr.
 Instruction in methods and materials. Reading abilities of college-bound students analyzed. Individual instruction in small group situations. Designed for teachers, reading consultants, supervisors and principals at the secondary level concerned with the improvement of high-level reading skill of college-bound secondary school students. Prerequisite: Previous work in Reading. (This work will be given at the college camp at Raquette Lake on a full-time basis from July 4 through August 15. Registration must be arranged through Dr. Frank Nania of the college staff before May 15.)
 6 weeks Call: 283 all day Nania

Ed 650: EVALUATION IN THE ELEMENTARY SCHOOL 3 sem. hr.

Selected aspects of measurement and evaluation of the curriculum, pupils, and teaching personnel.

6 weeks Call: 284 9:00-10:15 Room: E-D-305

Ed 651: EDUCATIONAL RESEARCH 3 sem. hr.

Beginning course designed to develop understanding and appreciation of types and techniques of research and their contributions to education and teaching.

6 weeks Call: 285 10:30-11:45 Room: E-D-217

Ed 653: MEASUREMENT AND EVALUATION IN
SECONDARY EDUCATION

3 sem. hr.

Techniques, instruments, and processes for appraising scholastic and psychological status and growth of secondary school pupils. Attention given to construction of instruments and utilization of results obtained as they relate to the individual student's goals, abilities, and out-of-school environment.

6 weeks Call: 287 9:00-10:15 Room: E-D-310 Mulholland

Ed 660: ELEMENTARY SCHOOL CURRICULUM 3 sem. hr.

A critical examination of elementary school curricula including design, organization, implementation, evaluation, and ways of effecting curriculum change.

6 weeks Call: 288 12:00- 1:15 Room: E-D-305 Enzman

Ed 671: PHILOSOPHY OF EDUCATION 3 sem. hr.

An analysis of the major philosophical positions which underlie contemporary American education.

6 weeks Call: 289 1:30- 2:45 Room: E-D-314 Simmons

Ed 672: THE HISTORY OF EDUCATION 3 sem. hr.

The development of education from primitive times to the present with an emphasis on education in American culture.

6 weeks Call: 290 10:30-11:45 Room: E-D-308 Simmons

Ed 673: SOCIAL FOUNDATIONS OF EDUCATION 3 sem. hr.

An analysis of the role and basic issues of education in contemporary American society. Prerequisite: student teaching or equivalent.

6 weeks Call: 292 7:30- 8:45 Room: E-D-310 Mack

Ed 678: SUPERVISION OF ELEMENTARY EDUCATION A 3 sem. hr.

The purposes and organization of elementary education, duties and qualifications of supervisors, concepts of supervision, issues such as in-service education and instructional grouping, examination of educational programs. Prerequisite: Three years of public elementary school teaching.

6 weeks Call: 293 7:30- 8:45 Room: E-D-314 G. Clarke

Ed 680: ELEMENTARY SCHOOL PRINCIPALSHIP I 3 sem. hr.

Organization of school and school system; pupil accounting; school personnel; professional organizations; organization of curriculum; promotion policies; equipment and supplies; buildings and grounds; work and qualifications of principal; evaluation of various aspects of school program; experimentation and research in elementary school administration. Prerequisite: three years of teaching in public elementary schools.

6 weeks Call: 294 12:00- 1:15 Room: E-D-220 Neff

Ed 682: THE JUNIOR HIGH SCHOOL PROGRAM 3 sem. hr.

Study of the overall program and its objectives for grades 7-9, including the core program, guidance provisions for interrelating learnings in a departmentalized setup, clubs, homerooms, and provision for individual differences.

6 weeks Call: 296 10:30-11:45 Room: E-D-311 Enzman

Ed 685: ORGANIZATION AND ADMINISTRATION FOR TEACHERS

2 sem. hr.

Organization and administration of public education. Legal rights and responsibilities of teachers.

6 weeks Call: 297 9:00-10:00 Room: E-D-316 Olcott

Ed 694: LABORATORY IN CORRECTIVE READING 3 sem. hr.

Student analyzes needs of a pupil and works with him daily under supervision of laboratory director. Emphasis on development and evaluation of techniques for classroom situations. Laboratory experiences and cumulative case records shared and discussed. For teachers, reading consultants, and supervisor. Prerequisite: Ed 639, which may be taken concurrently, or permission of instructor.

6 weeks Call: 298 9:00-11:15 Room: E-D-315 Roehm
and Braam

English

En 100: FUNDAMENTALS OF COMPOSITION 3 sem. hr.

Study and practice of skills in writing, reading, and documentation with attention to individual weaknesses. Study of selected pieces of literature.

6 weeks Call: 302 7:30- 8:45 Room: 406 Kantrowitz

6 weeks Call: 301 12:00- 1:15 Room: B3 D. Hill

En 195: FUNDAMENTALS OF SPEAKING 3 sem. hr.

Delivery factors, speaker-audience relationships, organization and development of ideas. Special help on voice and articulation, if needed, by assignment to the Speech Laboratory.

6 weeks Call: 304 1:30- 2:45 Room: 23 R. Beard

En 210: AMERICAN LITERATURE I 3 sem. hr.

American literature from the beginnings until 1865. Designed as an introduction to the study and criticism of literature, the course also requires work in advanced composition, based on the literature studied.

6 weeks	Call: 307	7:30- 8:45	Room: B1	D. Hill
6 weeks	Call: 308	7:30- 8:45	Room: 108N	

En 211: AMERICAN LITERATURE II 3 sem. hr.

A continuation of American Literature I. American literature from 1865 to the present, with continued emphasis on advanced composition.

6 weeks	Call: 311	9:00-10:15	Room: 404	Kantrowitz
6 weeks	Call: 310	12:00- 1:15	Room: 405	Stokes

En 302: ADVANCED COMPOSITION 3 sem. hr.

Expository writing on an advanced level.

6 weeks	Call: 314	7:30- 8:45	Room: 404	Stokes
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En 355: MAJOR ENGLISH WRITERS TO 1780 3 sem. hr.

Major English writers from Chaucer (in translation) to Johnson, including Shakespeare, Milton, Swift, Pope, Fielding; poetry, prose, drama, novel.

6 weeks	Call: 316	10:30-11:45	Room: 404	Rhodes
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En 356: MAJOR ENGLISH WRITERS 1780-1900 3 sem. hr.

The major English writers from Burns to Hardy, including Wordsworth, Keats, Tennyson, Browning, Carlyle, Thackeray, Arnold; poetry, prose, novel.

6 weeks	Call: 318	12:00- 1:15	Room: 108N	Malbone
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En 386: ORAL INTERPRETATION 3 sem. hr.

Application of principles of communication to the oral interpretation of literary prose and verse. Includes study of moods and meanings as expressed through the art of the creative interpreter. Individual performances with critical evaluations by class and instructor. Prerequisite: Fundamentals of Speaking.

6 weeks	Call: 320	1:30- 2:45	Room: 209	R. Hill
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En 391: LITERATURE OF THE THEATRE I 3 sem. hr.

A study of the masterpieces of dramatic literature from the Greeks to Ibsen.

6 weeks	Call: 322	10:30-11:45	Room: B3	R. Hill
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En 400g: THE GRAMMAR OF AMERICAN ENGLISH 3 sem. hr.

The structure of English and of modern American usage in the light of recent scholarship.

6 weeks	Call: 326	7:30- 8:45	Room: 405	Hoth
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En 415g: AMERICAN NOVEL BEFORE 1900 3 sem. hr.

Representative novels of important writers, such as Hawthorne, Mark Twain, Melville, Howells, James.

6 weeks	Call: 328	10:30-11:45	Room: 405	
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- En 435g: SHAKESPEARE 3 sem. hr.
 Study of about twelve major plays for dramatic effectiveness, characterization, poetry, and insight into permanent elements of human experience.
 6 weeks Call: 330 10:30-11:45 Room: 15 Meyer
- En 455g: THE ENGLISH NOVEL I 3 sem. hr.
 The English novel from the beginnings through Dickens.
 6 weeks Call: 333 9:00-10:15 Room: B2 Malbone
- En 463g: THE BIBLE AS LITERATURE 2 sem. hr.
 Readings in portions of the New and Old Testament, with special attention to the dramatic, narrative, and lyric qualities; some attention to the influence of the Bible's diction, rhythms, and imagery on later writers in English.
 6 weeks Call: 335 7:30- 8:30 Room: B2 Hurt
- En 464g: MODERN RUSSIAN LITERATURE 1860-1960 3 sem. hr.
 Representative works of selected Russian writers with attention to the novel, short story, and drama.
 6 weeks Call: 337 9:00-10:15 Room: 122C Dodge
- En 469g: LITERATURE FOR CHILDREN 3 sem. hr.
 Understanding and critical appreciation of books for elementary school children.
 6 weeks Call: 339 1:30- 2:45 Room: E-D-220 McGrath
- En 477g: STUDIES IN CONTEMPORARY LITERATURE 3 sem. hr.
 Intensive study of two or three writers of the twentieth century in America, Britain, Ireland, and Europe.
 3 weeks Call: 342 9:00-12:00 Room: 130
 (8/10-8/26 Inc. Sat.)
- En 482g: SPEECH PROBLEMS OF THE CHILD 3 sem. hr.
 Orientation of the classroom teacher to speech needs of pupils; study of major speech problems encountered in class and extracurricular activities; recognition of articulatory, vocal and rhythmical disorders; observation of rehabilitation procedures.
 6 weeks Call: 345 10:30-11:45 Room: E-C-21 Pettit
- En 488g: PLAY DIRECTING 3 sem. hr.
 The director's duties; play selection, production, casting; coaching actors; planning and conducting rehearsals and performances. Prerequisite: Acting or consent of instructor.
 6 weeks Call: 347 9:00-10:15 Room: Aud Bogard
- En 497g: GREAT SPEECHES ON HISTORIC ISSUES 2 sem. hr.
 Selected speeches on important issues; their cultural background and influence upon society. Prerequisite: Fundamentals of Speaking.
 6 weeks Call: 349 12:00- 1:00 Room: 217 R. Beard

- En 610: AMERICAN FOLK LITERATURE 2 sem. hr.
Advanced study in one or two special areas, such as New York Erie Canal lore, types of folk tales, work songs, American versions of British Ballads, the use of folk material by American writers.
6 weeks Call: 352 9:00-10:00 Room: 405 Thompson
- En 615: HAWTHORNE, MELVILLE, AND MARK TWAIN 3 sem. hr.
Intensive study of selected writings of these authors.
6 weeks Call: 355 7:30- 8:45 Room: 122C Dodge
- En 625: THE LITERATURE OF THE NEW SOUTH 3 sem. hr.
The image of the South as reflected in the selected works of southern writers since 1920.
6 weeks Call: 358 10:30-11:45 Room: B2 Hurt
- En 630: STUDIES IN CHAUCER 2 sem. hr.
Intensive study of the works of Chaucer in the original Middle English. Reading of *The Canterbury Tales*, *Troilus and Criseyde* and some of the shorter poems. While attention is paid to linguistic matters, the major emphasis is on the literary aspect of Chaucer's work.
6 weeks Call: 362 7:30- 8:30 Room: 403 Glenn
- En 635: STUDIES IN THE ENGLISH RENAISSANCE 3 sem. hr.
Intensive study of a few important writings or of two or three authors between 1550 and 1660.
6 weeks Call: 365 1:30-2:45 Room: 108N Meyer
- En 636: SEMINAR IN SHAKESPEARE 3 sem. hr.
Representative problems in the critical and scholarly examination of Shakespeare's plays. Prerequisites: semester course in Shakespeare or consent of instructor.
3 weeks Call: 367 9:00-12:00 Room: 129 Thomas
(8/10-8/26 Inc. Sats.)
- En 670: MODERN EUROPEAN DRAMA 3 sem. hr.
Seminar study of important plays written by continental playwrights since 1875.
6 weeks Call: 370 12:00- 1:15 Room: 404 Thompson
- En 672: SEMINAR IN THEORIES OF CRITICISM 3 sem. hr.
Important ideas of literary criticism, both historical and contemporary. Prerequisite: 6 hours advanced courses in literature or consent of department.
6 weeks Call: 373 9:00-10:15 Room: 15 Rhodes

En 673: SEMINAR IN TECHNIQUES OF DRAMA *3 sem. hr.*
 Study of various kinds of plays; techniques of dramatic structure, narrative, characterization; modern experiments in realism, symbolism, expressionism.
 6 weeks Call: 376 12:00- 1:15 Room: Aud. Bogard

Fine Arts

FA 501: ARTS AND LEISURE *2 sem. hr.*
 Utilization of the arts in leisure. Creative expression through various media and art forms. Lectures, discussion and laboratory experiences.
 6 weeks Call: 135 10:30-11:30 Room: P206 Nash

FA 502: INTRODUCTION TO ORIENTAL ART *3 sem. hr.*
 Study of art forms in oriental cultures with emphasis upon the Chinese. Historical survey coupled with demonstrations and practice, using ancient and modern materials and techniques.
 3 weeks Call: 137 12:30- 3:30 Room: 15 Hsu
 (6/29-7/17)

Foreign Languages

FL 102: BEGINNING FRENCH II *3 sem. hr.*
 Continuation of Beginning French I. Readings of simple prose. Prerequisite: Beginning French I or one year of high school French or equivalent.
 6 weeks Call: 151 9:00-10:15 Room: 403 Alcorn

FL 202: INTERMEDIATE FRENCH II *3 sem. hr.*
 Continuation of Intermediate French I. Prerequisite: Intermediate French I or three years of high school French or equivalent.
 6 weeks Call: 153 10:30-11:45 Room: 112 Alcorn

Mathematics

Ma 102: INTRODUCTION TO MATHEMATICS II *3 sem. hr.*
 A consideration of fundamental concepts emphasizing mathematics as a developmental structure and as a system of thought. A year's course for liberal arts, elementary education, and secondary education students other than those majoring in mathematics or physical science. A student must have completed Introduction to Mathematics I or its equivalent.
 6 weeks Call: 501 12:00- 1:15 Room: P201 Lerner

Ma 106: GENERAL MATHEMATICS *3 sem. hr.*
 A consideration of topics from algebra, trigonometry, and analytic geometry. Not open to students majoring in mathematics.
 6 weeks Call: 504 10:30-11:45 Room: 402 Pugh

Ma 143: INTRODUCTION TO STATISTICS *3 sem. hr.*
 Basic concepts of probability, and descriptive and inductive statistics;

including measures of central tendency and dispersion, frequency distributions, sampling, tests of hypotheses, correlation. Not open to students majoring in mathematics.

6 weeks Call: 507 9:00-10:15 Room: 402 Driscoll

Ma 189: MATHEMATICS OF FINANCE 3 sem. hr.

Topics in mathematics applied to business and commerce, including interest and discount, annuities and insurance, depreciation.

6 weeks Call: 510 7:30- 8:45 Room: 401 Slaugh

Ma 226: CALCULUS II 3 sem. hr.

Further study of algebraic functions, their derivatives and integrals; derivatives and integrals of transcendental functions. Prerequisite: Calculus I.

6 weeks Call: 513 10:30-11:45 Room: 403 Smith

Ma 370: ALGEBRAIC STRUCTURES 3 sem. hr.

Study of groups, rings, integral domains, and fields. Prerequisite: Elements of Modern Mathematics or equivalent.

6 weeks Call: 516 9:00-10:15 Room: P201 Smith

Ma 402g: ELEMENTARY MATHEMATICAL CONCEPTS 3 sem. hr.

Concepts of mathematics basic to elementary school mathematics. A companion course to Backgrounds of Mathematics, which is, however, not prerequisite. Principally for elementary teachers in service. Not open to students majoring in mathematics.

6 weeks Call: 519 10:30-11:45 Room: 122C Benedick

Ma 447g: PROBABILITY AND STATISTICS II 3 sem. hr.

Theory of probability for continuous sample spaces. Central Limit Theorem, testing of hypotheses, correlation, regression. Prerequisite: Probability and Statistics I.

6 weeks Call: 522 9:00-10:15 Room: 401 Benedick

Ma 472g: LINEAR ALGEBRA I 3 sem. hr.

Study of matrices and determinants; linear systems, abstract vector spaces, linear transformations, linear independence. Prerequisite: Algebraic Structures.

6 weeks Call: 525 7:30- 8:45 Room: P227 Pugh

Ma 580: HISTORY OF MATHEMATICS 2 sem. hr.

Background in the origins and development of mathematics in various cultures of western civilization. Prerequisite: Calculus I or permission of instructor.

6 weeks Call: 528 12:00- 1:00 Room: 122C Slaugh

Ma 651: CONCEPTS OF MODERN MATHEMATICS *3 sem. hr.*

Introduction to set theory; mathematical logic; probability; vectors, matrices. Principally for secondary teachers in-service.

6 weeks Call: 531 7:30- 8:45 Room: P201 Driscoll

Ma 673: CONCEPTS OF MATHEMATICS *3 sem. hr.*

The study of underlying concepts appearing in many branches of mathematics. Topics include algebraic functions, analytic methods and curve tracing, conic sections, limits and series. Prerequisite: Calculus I.

6 weeks Call: 534 10:30-11:45 Room: 401 Lerner

Music

Mu 102: ESSENTIALS OF MUSIC II *2 sem. hr.*

Recommended by advisement for students upon completion of Mu 101. Continued emphasis on music essentials, development of tonality, rhythm concepts, music reading, ear training, and song singing. Introduction to I-IV-V chords in harmonic writing, listening and keyboard work. Melody writing through creative approach.

6 weeks Call: 562 1:30- 2:30 Room: 130 Bieler

Mu 111: FOUNDATIONS OF MUSICAL EXPRESSION I *3 sem. hr.*

Basic expression in musical expression through the study of the theory and literature of music. Includes opportunity for individual and group performance, development of creative technics, directed listening, and elementary analysis of compositions.

3 weeks Call: 565 9:00-12:00 Room: 130 Dowd
(8/10-8/26 Inc. Sats.)

Mu 121: BACKGROUNDS IN MUSIC LITERATURE *2 sem. hr.*

A cultural approach to the study of music, developing an appreciation for and understanding of examples of musical expression. Attention to elements of musical expression, forms, styles, composers and important representative compositions.

6 weeks Call: 568 7:30- 8:30 Room: 130 Bieler

Mu 225: GREAT COMPOSERS *2 sem. hr.*

A detailed and intensive study of six representative composers and their significant works, from the Baroque to the present—such as: Bach, Mozart, Beethoven, Brahms, Debussy, Stravinsky.

6 weeks Call: 571 10:30-11:30 Room: 130 Bieler

Mu 326: AMERICAN FOLK MUSIC AND JAZZ 3 sem. hr.

Consideration of songs which describe the great variety of experience in America's development with emphasis upon their background, lyrics, and especially their musical content. Jazz, with its unique treatment of the musical elements, is studied in terms of its structure and several styles. Prerequisite: Backgrounds in Music Literature,

6 weeks Call: 574 9:00-10:15 Room: 130 Forcucci

Mu 623: MUSIC OF ROMANTIC ERA 3 sem. hr.

A study of a highly characteristic style expressive of the new Romantic spirit with the innovations of the short form, program music, nationalistic idiom, and natural elements.

6 weeks Call: 577 9:00-10:15 Room: 129 Picerno

Philosophy

Ph 130: ELEMENTARY LOGIC 3 sem. hr.

Introduction to principles of logic and practice in applying these principles; avoiding errors in reasoning; deductive and inductive logic.

6 weeks Call: 166 10:30-11:45 Room: 406 Resnick

Ph 200: INTRODUCTION TO THE PROBLEMS OF PHILOSOPHY I 3 sem. hr.

An introduction to the problems and the methods of philosophical inquiry through a critical study of selected writings of classical and contemporary philosophers. Some of the problems: the grounds of moral obligation, the logic of religious belief, the nature of freedom, the meaning of rational method, the limits of knowledge, connections between society, language, the individual and truth.

6 weeks Call: 163 9:00-10:15 Room: 406 Resnick

PHYSICAL EDUCATION, HEALTH, AND RECREATION

Health Education

HE 313: MENTAL AND EMOTIONAL HEALTH 2 sem. hr.

Mental hygiene of the normal individual with a detailed analysis of the factors underlying maximum effective personality development and adjustment. Personality aberrations introduced only as essential to a more comprehensive understanding of the normal.

6 weeks	Call: 405	7:30- 8:30	Room: P206	O'Reilly
6 weeks	Call: 408	9:00-10:00	Room: P206	Stone
6 weeks	Call: 411	10:30-11:30	Room: P124	Timmel
6 weeks	Call: 402	12:00- 1:00	Room: P227	Gath

- HE 320: FIRST AID *1 sem. hr.*
 The American Red Cross Standard and Advanced first aid courses, together with the use of first aid procedures in the public school program.
 3 weeks Call: 414 7:30- 8:30 Room: P107 Gath
 (6/29-7/17)
- HE 321: SAFETY EDUCATION *1 sem. hr.*
 Presentation of and practice in modern methods of safety education, including the safety of the school child and formulation of school safety education programs.
 3 weeks Call: 417 7:30- 8:30 Room: P205 Gath
 (7/20-8/7)
- HE 322: SAFETY EDUCATION *2 sem. hr.*
 Thorough consideration of, and practice in, modern methods of safety education. Emphasizes safety of the school child and comprehensive community safety education programs.
 6 weeks Call: 420 10:30-11:30 Room: P226 Gath
- HE 418: NUTRITION I *2 sem. hr.*
 The nutritional basis for healthful living. Analysis of the nutritional needs at various age level. Emphasizes student's experience in maintaining an optimum nutritional status.
 6 weeks Call: 423 11:30-12:30 Room: P225 Whitaker
- HE 419: NUTRITION II *2 sem. hr.*
 An advanced course. Includes study of recent research findings. Stresses means of applying the principles of nutrition through educational procedures.
 6 weeks Call: 426 12:30- 1:30 Room: P225 Whitaker
- HE 440: FIELD WORK IN HEALTH *8 sem. hr.*
 Application of knowledge gained in theory courses to a practical community health program. Includes observation of, and participation in, the functions of official and non-official health agencies. May require residence in any part of the state at student's expense.
 6 weeks Call: 429 8:00- 5:00 Sinacore
- HE 441: PUBLIC HEALTH STATISTICS *2 sem. hr.*
 The significance, uses, and interpretation of statistical data as applied to education and public health. Proceeds from the collection of data through the study of correlation and statistical significance.
 6 weeks Call: 432 9:00-10:00 Room: P227 Stone
- HE 442: HEALTH OBSERVATION OF SCHOOL CHILDREN *2 sem. hr.*
 To familiarize the student with methods of physical inspection, commonly occurring school health problems, and the relationships of teaching staffs to health service personnel.
 6 weeks Call: 435 12:00- 1:00 Room: P226 Shultzaberger

HE 481: CASE STUDIES—SCHOOL HEALTH SERVICE 2 sem. hr.

Introduction to social work, dealing with health service personnel's approach to the family, compiling data, histories and case reports; the use of voluntary and official organizations in coordinating the work of the school in general health service. For Dental Hygienists only.

6 weeks	Call: 438	7:30- 8:30	Room: P226	Conley
6 weeks	Call: 439	10:30-11:30	Room: P229	Conley

HE 490: HEALTH EDUCATION SEMINAR 2 sem. hr.

Individual problems evolving from the student's off-campus experience in school or public health education. Planned to allow ample opportunity for individual conferences with faculty members. Selection of major areas of study by the individual student with the guidance of the instructor. For Dental Hygienists only.

6 weeks	Call: 444	9:00-10:00	Room: P229	Conley
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HE 512: MENTAL HEALTH 2 sem. hr.

Stress laid on the application of basic mental hygiene principles in the total school situation. Exploration of factors which influence the mental health of pupils and personnel, and the school's potentialities for improving mental health in the community. Consideration given to individual interests of the students enrolled in course.

2 weeks	Call: 447	1:00- 4:00	Room: P229	O'Reilly
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(7/20-7/31)

HE 530: WORKSHOP IN AIR POLLUTION 2 sem. hr.

Description and analysis of the causative agents of air pollution and their effects upon man and society. Explores the medical and economic effects of air pollution. Consideration given to meteorological factors, measurement and analysis of air pollutants in community atmospheres, and Federal, State and Community approaches to prevention and control.

2 weeks	Call: 450	1:00- 4:00	Room: P206	Stone
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(7/6-7/17)

HE 582: SCHOOL NURSING I 3 sem. hr.

Study of the function and service of school nurse teacher in family, school, and community health. The responsibilities of school health service personnel, including the supervision of illness-absentees, the handling of records and reports, and legal aspects of these functions. Various testing techniques and instruments of the profession. For School Nurse Teachers only.

3 weeks	Call: 453	9:00-12:00	Room: P205	Bailey
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(6/29-7/17)

HE 583: SCHOOL NURSING II**3 sem. hr.**

An advanced course, having as a prerequisite School Nursing I or its equivalent. Includes new trends in school health services and deals with special problems in school nursing. Special areas where school nurse teachers can make a contribution are explored. For School Nurse Teachers only.

3 weeks Call: 456 9:00-12:00 Room: P205 Bailey
(7/20-8/7)

HE 584: FAMILY CASE WORK I (Theory)**2 sem. hr.**

Study of the health and social problems of the family. Explores the services and the interrelationships of the various community agencies. Includes methods of referral to these agencies as well as a review of other counseling techniques. For school nurse-teachers.

2 weeks Call: 459 2:00- 5:00 Room: P225 Whitaker
(7/20-7/31)

HE 600: INDIVIDUAL HEALTH EDUCATION PROBLEMS **1-2 sem. hr.**

Teachers with unique in-service problems consult and confer with specialists in their field. Effective practical solutions sought in terms of the local situations and the school-community needs, interests and resources. Hours and credit to be arranged.

(1 hr.)	Call: 462	To be arranged	Timmel
(2 hr.)	Call: 463	To be arranged	Timmel

Physical Education

PE 340: APPLIED ANATOMY**2 sem. hr.**

Analysis of muscular interrelationships in basic body movements; analysis and application of the principles of mechanics as they relate to the fundamental and complex motor skills in physical education activities. Prerequisites: Anatomy and Physiology I and II or equivalent.

6 weeks Call: 834 9:00-10:15 Room: P107

PE 420: TESTS AND MEASUREMENTS**3 sem. hr.**

The nature and purpose of measurement in the fields of health and physical education. Considers and evaluates available tests and provides practice in the administration of outstanding tests. Lectures and laboratory work. Prerequisite: Introduction to Statistics or equivalent.

6 weeks Call: 836 10:30-11:45 Room: P201 Miller

PE 450: PHYSICAL EDUCATION FOR TEACHERS**2 sem. hr.**

Philosophy, principles, aims, and methods of physical education and the materials for the elementary school physical education program for classroom teachers.

6 weeks Call: 838 10:30-11:30 Room: P227 Arnsdorff

PE 460: PHYSICAL EDUCATION FOR THE ATYPICAL 3 sem. hr.

Problems involved in the adaption of physical activities to the needs of the individual unable to participate fully in an unrestricted program. Practice in: recognition of body deviations and physical disabilities; instruction in therapeutic exercise and adapted activities. Prerequisite: PE 340 Applied Anatomy.

6 weeks Call: 841 7:30- 8:45 Room: P124

PE 471: DRIVER EDUCATION 2 sem. hr.

For instructors of Driver Education in the high school covering organization and supervision, teaching methods, teaching aids; use of psychophysical tests, skill tests, and road tests; practical instruction in dual control car. Driving experience and New York State Operators License required. Under present state regulations, only teachers with secondary school certificates can be employed as teachers of Driver Education. Course requires sixty clock hours of work. Admission by application submitted to the Director of Education for Health, Physical Education and Recreation.

2 weeks Call: 843 9:00- 4:00 Room: P107 Miller
(6/15-6/26)

2 weeks Call: 845 9:00- 4:00 Room: P226 Eckard
(8/10-8/21)

PE 490: ADMINISTRATION OF PHYSICAL EDUCATION I 2 sem. hr.

Practical administrative principles and the functional organization and operation of physical education programs in the public schools of New York State. Emphasis on staff duties, use of plant instructional equipment and supplies, interpretation and articulation of State curricula and adaptations to meet local and pupil needs.

6 weeks Call: 847 9:00-10:00 Room: P124 Corey

PE-RE 528-539: PROGRAM CLINICS 1 or 2 sem. hr.

These clinics are designed primarily for teachers requiring knowledge and practical application of most recent and advanced teaching techniques and analysis of both individual and group activities. Included in each clinic will be —methods of organization, discussion of strategy, opportunities for application of information, and discussion of the role of each activity in the public school program.

PE 528 Clinic in Tennis 1 sem. hr.

6/15-6/18 Call: 848 Room: P124 R. Williams

6/22-6/25 Call: 850 Room: P124 R. Williams

PE 530 Clinic in Football 2 sem. hr.

6/29-7/10 Call: 852 3:00- 6:00 Room: P228, F3 Robinson

RE 538 Clinic in Archery 2 sem. hr.

6/29-7/10 Call: 895 3:00- 6:00 Room: P226, Range Metcalf

PE 539 Clinic in Weight Training and Isometrics 2 sem. hr.

7/13-7/24 Call: 860 3:00- 6:00 Room: P228 Robinson

PE 532 Clinic in Basketball 2 sem. hr.

7/27-8/7 Call: 854 3:00- 6:00 Room: P227, MG R. Williams

PE 529	Synchronized Swim Clinic				2 sem. hr.
8/10-8/21	Call: 849	9:00-12:00	Room: Pool (P)	P. Williams	
PE 533	Clinic in Baseball				2 sem. hr.
8/10-8/21	Call: 856	1:00- 4:00	Room: P205, F3	R. Wallace	
PE 538	Clinic in Gymnastics				2 sem. hr.
8/10-8/21	Call: 858	1:00- 4:00	Room: MG	DaBramo	

PE 560: PHYSICAL EDUCATION FOR THE MENTALLY RETARDED CHILD

2 sem. hr.

Provides an opportunity for teachers to study and understand the nature and problems of the mentally retarded in Physical Education and Recreation, and the objectives of the public school curricula for the mentally retarded.

2 weeks Call: 863 1:00- 4:00 Room: P107
(7/13-7/24)

PE 571: ADVANCED DRIVER EDUCATION

2 sem. hr.

Designed for secondary school teachers now engaged in the teaching of driver education. Includes an evaluation of present practices in driver education. Research and study of current principles and policies in the field. Group and individual projects required. Course requires sixty clock hours of work. Prerequisite: PE 471 Driver Education or equivalent. Admission by application submitted to the Director of Education for Health, Physical Education and Recreation.

2 weeks Call: 845 9:00- 4:00 Room: P124 Gath
(8/10-8/21)

PE 572: DANCE IN THE SCHOOL PROGRAM

2 sem. hr.

Fundamentals of dance movement. Correlation of rhythm and movement. Approaches to folk, square, and ballroom dance. The adjustment of dance fundamentals to pre-school, elementary, secondary, and college age groups.

2 weeks Call: 869 1:00- 4:00 Room: WAR Koval & Martin
(8/10-8/21)

PE 600: INDIVIDUAL PHYSICAL EDUCATION PROBLEMS

1 or 2 sem. hr.

An individual study project designed to permit teachers in service with unique problems to consult with specialists in their field. Effective practical solutions sought in terms of the needs, interests and resources of the local school and community. Hours and credit to be arranged.

(1 hr.)	Call: 872	To be arranged	Corey
(2 hr.)	Call: 873	To be arranged	Corey
(1 hr.)	Call: 874	To be arranged	Weber
(2 hr.)	Call: 875	To be arranged	Weber

PE 603: STATISTICAL ANALYSIS

3 sem. hr.

Presentation of tools for the analysis of descriptive (single group) and comparative (multiple group) statistics. Use and application of standard scores,

correlation, single regression, etc. Includes practice in procedures needed to yield complete description of measurement and evaluation in physical education. Prerequisite: Ma 140, 143, PE 420 or equivalent.

6 weeks Call: 876 12:00- 1:15 Room: P124 Miller

PE 690: SUPERVISION OF PHYSICAL EDUCATION 3 sem. hr.

Basic principles of supervision. Emphasis on practical problems confronting supervisors of physical education programs and upon supervision as a cooperative process.

3 weeks Call: 878 12:00- 3:00 Room: P227 Alway
(8/10-8/26 Inc. Sats.)

PE 693-694: DIRECTORSHIP SEMINAR I & II 4-4 sem. hr.

Seminar covering administrative problems confronting city and village directors of school physical education and the related areas. A practical approach to the duties and responsibilities of the director for teachers with experience. Admission by application submitted to the Director of Education for Health, Physical Education and Recreation.

3 weeks Call: 880 8:00-12:00 Room: P228 Weber
(6/29-7/17)

3 weeks Call: 883 8:00-12:00 Room: P228 Weber
(7/20-8/7)

Physical Education Skills and Applied Techniques

Activity courses designed to develop attitudes, appreciation and personal skill in all types of activities included in the broad physical education or recreation program, with emphasis on knowledge and ability to apply techniques in teaching. Courses divided into instructional units presented in sequential order representing definite progressions. Minimum standards of personal skill required for satisfactory completion of each activity unit.

The following activity courses are offered for ½ sem. hr. for six weeks and will meet on Monday through Thursday each week.

Call: 803	PE 104 Body Mechanics	10:30-11:20	Room: BMS	
Call: 821	PE 204 Body Mechanics	10:30-11:20	Room: BMS	
Call: 809	PE 113 Sq. & Country Dance	10:30-11:20	Room: WAR	S. Wallace
Call: 823	PE 213 Sq. & Country Dance	10:30-11:20	Room: WAR	S. Wallace
Call: 806	PE 107 Body Conditioning	12:00-12:50	Room: BMS	Robinson
Call: 814	PE 144 Badminton	12:00-12:50	Room: MG	Arnsdorff
Call: 827	PE 244 Badminton	12:00-12:50	Room: MG	Arnsdorff
Call: 818	PE 165 Volleyball	1:00- 1:50	Room: MG	Robinson
Call: 832	PE 265 Volleyball	1:00- 1:50	Room: MG	Robinson
Call: 816	PE 146 Golf	2:00- 2:50	Room: MG	Corey
Call: 829	PE 246 Golf	2:00- 2:50	Room: MG	Corey
Call: 891	RE 147 Archery	1:00- 1:50	Room: Range	Arnsdorff
Call: 893	RE 247 Archery	1:00- 1:50	Room: Range	Arnsdorff

The following activity courses are offered for 1 sem. hrs. for six weeks, and will meet on Monday through Thursday each week.

Call: 812	PE 121	Swimming I	2:00- 3:40	Room: Pool (P)	Langsner
Call: 825	PE 221	Swimming I	2:00- 3:40	Room: Pool (P)	Langsner

The course numbers in the above categories are in the 100's for men and in the 200's for women.

Recreation Education

RE 538: PROGRAM CLINIC IN ARCHERY 2 sem. hr.

This clinic is designed primarily for teachers requiring knowledge and practical application of recent and advanced teaching techniques and analysis of both individual and group activities. Included in the clinic will be methods of organization, teaching techniques, equipment problems, and discussion of the role of archery in the public school program.

2 weeks	Call: 895	3:00- 6:00	Room: P226	Metcalf
(6/29-7/10)				

RE 690: SCHOOL AND COMMUNITY RECREATION 3 sem. hr.

The place of the school in community recreation. Special emphasis on the school twelve months' program which meets the needs of all ages. Field problems of interest to class members are analyzed and solutions discussed. Major reports on school and community recreation situations individually studied are required of each class member.

6 weeks	Call: 897	9:00-10:15	Room: P226	Nash
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Psychology

Ps 101: INTRODUCTORY GENERAL PSYCHOLOGY I 3 sem. hr.

Introduction to the scientific study of behavior, with emphasis on motivation, emotion, perception, learning, thinking, personality, and individual differences.

6 weeks	Call: 171	1:30-2:45	E-D-216	Corso
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Ps 102: INTRODUCTORY GENERAL PSYCHOLOGY II 3 sem. hr.

An introductory laboratory course in general psychology; experimental work in selected areas of psychology to illustrate basic research techniques appropriate for studying current and classic problems. Prerequisite: Ps 101.

6 weeks	Call: 174	9:00-10:30	Room: E-D-217	Corso
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Ps 222: PSYCHOLOGY OF ADJUSTMENT 3 sem. hr.

Development and function of basic adjustive mechanisms; problems of conflict and frustration in various social situations and their resolution. Prerequisite: Ps 101.

6 weeks	Call: 177	12:00- 1:15	Room: E-D-217	Sheldon
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Ps 331: PSYCHOLOGY OF EXCEPTIONAL CHILDREN *3 sem. hr.*
 Etiology, diagnosis, and facilitation of adjustment of the physically handicapped, emotionally disturbed, gifted, and mentally retarded child. Prerequisite: Ps 101.
 6 weeks Call: 179 10:30-11:45 Room: E-D-218 Sheldon

Science

Sc 101: INTRODUCTORY ZOOLOGY *3 sem. hr.*

Basic laws, principles and theories of animal biology. The nature and interpretation of life; type studies of increasingly complex forms of animal life; man's application of biological discoveries. Lab on alternate days beginning M-W-F.

6 weeks Call: 601 Lec: 7:30- 8:20 Room: S125 Newman
 Lab: 12:00- 2:30 Room: S225

Sc 103: INTRODUCTORY BOTANY *3 sem. hr.*

Plants; their structure, function, development; their place in the world and importance to man. Lab on alternate days beginning Tu-Th.

6 weeks Call: 605 Lec: 9:00- 9:50 Room: S125 Newman
 Lab: 1:30- 4:00 Room: S330

Sc 141: ELEMENTARY PHYSICS I *3 sem. hr.*

Selected topics from mechanics, heat, and sound. An introduction to physics for students not presenting high school credit in physics for admission to the college. Not open to majors in science and mathematics. Lab on alternate days beginning Tu-Th.

6 weeks Call: 609 Lec: 9:00- 9:50 Room: S124 Day
 Lab: 12:00- 2:30 Room: S130

Sc 161: ELEMENTARY EARTH SCIENCE *3 sem. hr.*

Earth materials; processed of landform building and degradation, elements of weather, climate, and soil. In addition to field trips the laboratory work involves a study of rocks, minerals, soils, topographic and weather maps. Lab on alternate days beginning M-W-F.

6 weeks Call: 614 Lec: 9:00- 9:50 Room: S319 Hawkins
 Lab: 1:30- 2:10 Room: S322

Sc 301: ANATOMY AND PHYSIOLOGY I *3 sem. hr.*

The integumentary, circulatory, respiratory, digestive, and excretory systems of the body. Emphasis on nutrition, metabolism, basic physiology, homeostasis, and regulatory processes. Pre: One semester of Zoology. Lab on alternate days beginning on M-W-F.

6 weeks Call: 618 Lec: 7:30- 8:20 Room: S126 Houck
 Lab: 12:00- 1:40 Room: S217

Sc 305: HEREDITY AND EVOLUTION**3 sem. hr.**

Fundamental principles of genetics, hereditary variation, and evolution.

Pre: One semester of biological science.

6 weeks Call: 624 10:30-11:45 Room: S106 Shively

Sc 321: ELEMENTARY ORGANIC CHEMISTRY I**3 sem. hr.**

A study of aliphatic and aromatic organic compounds, their structure, properties, preparation—including a brief survey of carbohydrates, fats, and proteins. Pre: One year of college chemistry. Lab on alternate days beginning on M-W-F.

6 weeks Call: 627 Lec: 7:30- 8:20 Room: S124 Day
Lab: 1:30- 4:00 Room: S 27**Sc405g: CONSERVATION OF NATURAL RESOURCES****3 sem. hr.**

Current and recommended approaches to the management and proper utilization of renewable natural resources; soil, water, forests and wildlife. Discussion with occasional guest speakers from public or private conservation agencies. Lab on alternate days beginning on Tu-Th.

6 weeks Call: 632 Lec: 10:30-11:20 Room: S126 Clemens
Lab: 12:00- 2:30 Room: S229**Sc 407g: LABORATORY AND FIELD BIOLOGY****3 sem. hr.**

A science experience course with emphasis upon laboratory and field observations of plant and animal relationships in various ecological situations. To be held at Raquette Lake Field Station.

3 weeks Call: 636 To be arranged Gustafson
(7/20-8/7)**Sc 463g: GEOLOGY OF NEW YORK STATE****3 sem. hr.**

Landforms of New York State and geological events leading to their development: Pre: Earth Science and Basic Historical Geology. Students who register will not be able to schedule any other courses during the three-week session.

3 weeks Call: 638 To be arranged Room: S321 Craft
(7/20-8/7)**Sc 465g: WORKSHOP IN EARTH SCIENCE****3 sem. hr.**

Physical properties and the formation of minerals, rocks, and soils. Individual collections made. Pre: Sc 161 Elementary Earth Science or Sc 261 General Geology I. To be held at Raquette Lake Field Station.

3 weeks Call: 640 To be arranged Craft
(6/29-7/17)

Sc 481g: BACKGROUNDS IN SCIENCE 3 sem. hr.

Basic principles of physical and biological science through experiments and demonstrations. Development of appreciation and understanding of scientific concepts and principles in modern society. For elementary teachers in service.

6 weeks Call: 649 Lec: 10:30-11:20 Room: S331 Lawrence

Lab: 1:30- 3:10 Room: S331

(Lab on alternate days beginning Tues., Thurs.)

Sc 505: HISTOLOGY 3 sem. hr.

Characteristics of various cells and tissues of vertebrate organs and their variations. Some microtechniques and an opportunity to make original slides. Pre: General Zoology II or Comparative Anatomy: Lab on alternate days beginning Tu-Th.

6 weeks Call: 654 Lec: 10:30-11:20 Room: S124 Schick

Lab: 12:00- 2:30 Room: S217

Sc 511: ORNITHOLOGY 2 sem. hr.

Behavior, environmental relationships, classification, and identification of birds, with special reference to birds of central New York. Early morning field trips by prearrangement. Pre: Three hours of Biological Science.

6 weeks Call: 658 Lec: 7:30- 8:30 Room: S229 Clemens

Lab: To be arranged Room: S229

Sc 605: PARASITOLOGY 2 sem. hr.

A study of the principle protozoan, helminth, and anthropol, parasites of man and other vertebrates, with special emphasis given to the life histories and recognition. Lab on alternate days beginning Tu-Th. Pre: General Zoology II, Entomology recommended.

6 weeks Call: 663 Lec: 10:30-11:30 Room: S125 Houck

Lab: 12:00- 2:30 Room: S222

Sc 617: CONTEMPORARY BIOLOGICAL TRENDS 3 sem. hr.

The nature of problems and experiments in current biological investigations. For students with specialization in biology.

6 weeks Call: 667 9:00-10:15 Room: S122 Schick

Sc 681: SCIENCE RESEARCH SEMINAR 3 sem. hr.

A critical review of the literature of current research in the major fields of science. Assignments and discussions. Occasional guest lecturers.

6 weeks Call: 669 7:30- 8:45 Room: S319 Hawkins

Social Studies

SS 100: AMERICAN HISTORY I

3 sem. hr.

History of the origin and development of American institutions and ideals from the discovery of the new world to the close of the Reconstruction period following the Civil War.

6 weeks	Call: 704	9:00-10:15	Room: 213	Sipher
6 weeks	Call: 702	1:30- 2:45	Room: B1	Bulkley

SS 101: AMERICAN HISTORY II

3 sem. hr.

A continuation of American History I stressing significant cultural, economic, political and social forces and problems in America from the Civil War to the present time.

6 weeks	Call: 706	12:00- 1:15	Room: B2	Burdick
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SS 107: RECENT AMERICAN HISTORY II

3 sem. hr.

United States development, 1916 present. World War I, the Twenties, the New Deal, World War II, the Cold War.

6 weeks	Call: 708	1:30- 2:45	Room: B2	Burdick
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SS 111: EUROPEAN HISTORY II

3 sem. hr.

1815 to the present. Analyzes the major political, social, economic, and intellectual developments from the Age of Metternich to the atomic age. Emphasis on industrialization, social reforms, liberalism, nationalism, imperialism, World War I, the Russian Revolutions, democracy and totalitarianism, and World War II and its aftermath.

6 weeks	Call: 710	10:30-11:45	Room: B4	Hershey
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SS 121: ENGLISH HISTORY I, 1485-1763

3 sem. hr.

A study of the history of England from the period of Henry VII to 1763. Emphasis on the interaction of political, social, cultural and economic forces in the development of such institutions as the monarchy, Parliament, Judiciary system, and political parties. Special attention will be given to the religious and constitutional conflicts of the 16th and 17th centuries and to changes in the English social structure.

6 weeks	Call: 713	10:30-11:45	Room: B1	Cahill
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SS 157: HISTORY AND GEOGRAPHY OF NEW YORK STATE

3 sem. hr.

New York's colonial background, the transition of the colony into statehood, and its final membership in the federal union. Emphasis upon leaders, geography and the economic, social and political events of the Empire State up to the present time.

6 weeks	Call: 715	10:30-11:45	Room: 200	Vanaria
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SS 250: INTRODUCTION TO SOCIOLOGY *3 sem. hr.*

Study of social structure and basic human institutions including analysis of social processes and the major social forces.

6 weeks	Call: 719	7:30- 8:45	Room: B4	Mizruchi
6 weeks	Call: 717	9:00-10:15	Room: 23	Chin

SS 300: GENERAL GEOGRAPHY *3 sem. hr.*

Basic geographic principles through the study of the interplay of human activities and the natural environment, as it affects cultural and economic patterns. Prerequisite: Sc 161 or its equivalent.

3 weeks	Call: 722	9:00-12:00	Room: 106	Brownell
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(8/10-8/26 Inc. Sats.)

SS 305: ECONOMIC GEOGRAPHY *3 sem. hr.*

Spatial analysis of production, transportation, and market destination of economic resources; locational factors regarding associated processing and manufacturing industries; and regional differentiations related to cause and result of economic activities. Prerequisite: General Geography or Introduction to Geography.

6 weeks	Call: 724	9:00-10:15	Room: 106	Heppell
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SS 350: INTRODUCTION TO GOVERNMENT I *3 sem. hr.*

Study of the framework and institutional elements of American government. The processes and patterns of behavior in the formulation and execution of public policies, including the role of mass media and public opinion.

6 weeks	Call: 726	10:30-11:45	Room: 213	Leon
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SS 411g: CURRENT WORLD PROBLEMS *3 sem. hr.*

Study of a series of selected world problems, with emphasis upon the causes of war, population, economic conditions, types of nationalism, regionalism, diplomacy and international organization.

6 weeks	Call: 728	12:00- 1:15	Room: 200	Sipher
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SS 412g: CONTEMPORARY AFRICA *3 sem. hr.*

African reaction to colonialism south of the Sahara, the emergence of a native political elite and the growth of African nationalist movements. Problems of economic, political, cultural, and institutional change; Pan-Africanism and the search of the "African personality."

3 weeks	Call: 730	12:30- 3:30	Room: 112	
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(7/20-8/7)

SS 425g: AMERICAN INTELLECTUAL HISTORY I *3 sem. hr.*

The history of ideas and systems of thought in the United States from the colonial period through 1861.

6 weeks	Call: 733	10:30-11:45	Room: 129	Bulkley
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- SS 433g: THE CIVIL WAR 2 sem. hr.
 Designed to give detailed attention to the coming of civil conflict, the military importance of the War between the States, and the constitutional consequences of preserving the American nation.
 6 weeks Call: 736 7:30- 8:30 Room: B3 Johnson
- SS 440g: THE AMERICAN WEST 2 sem. hr.
 The different types of frontier and the manner in which each has reacted upon the nation. An evaluation of the current social, economic and political forces at work particularly in the regions of the Trans-Mississippi West, with emphasis on their relations to national and international problems.
 6 weeks Call: 742 12:00- 1:00 Room: 209 Johnson
- SS 444g: THE UNITED STATES AND THE WORLD 2 sem. hr.
 Appraisal of our present foreign problems, with study of their origin and historical development throughout the twentieth century. Use of primary sources insofar as possible.
 6 weeks Call: 744 9:00-10:00 Room: 200 Johnson
- SS 448g: HISTORIOGRAPHY 3 sem. hr.
 Study of the history of history, including a survey of the major trends in historical writing, the reading of selected historical classics, and the consideration of the major schools of historical thought.
 6 weeks Call: 746 9:00-10:15 Room: 108N Hershey
- SS 472g: CRIMINOLOGY AND JUVENILE DELINQUENCY 3 sem. hr.
 The generic processes of criminal and delinquent behavior: nature, extent, treatment, and prevention. Prerequisite: Introd. to Sociology.
 6 weeks Call: 748 12:00- 1:15 Room: B4 Chin
- SS 473g: DEVIANT BEHAVIOR 3 sem. hr.
 The nature of deviant behavior, factors determining deviant behavior and its consequences for social systems. Attention is directed to selected social problems including drinking, bohemianism, sex deviation, suicide and psychopathology. Prerequisite: Introduction to Sociology.
 6 weeks Call: 750 10:30-11:45 Room: E-D-219 Mizruchi
- SS 500: GEOGRAPHY OF ANGLO-AMERICA 3 sem. hr.
 Systematic and regional analysis of the physical, economic and cultural nature of the United States and Canada. Prerequisite: Introductory Geography.
 6 weeks Call: 754 12:00- 1:15 Room: 106 McDermott
- SS 506: MIDDLE AMERICAN TRIANGLE 3 sem. hr.
 Regional study centering on the triangular area between Tijuana, the Gulf of Darien and the Lesser Antilles; emphasis on the geographic factors underlying the social, economic and political problems. Prerequisite: Introductory Geography.
 6 weeks Call: 756 9:00-10:15 Room: B3 Alford

SS 529: GLOBAL GEOGRAPHY*3 sem. hr.*

Basic principles and concepts of geography focusing on world patterns of physical and cultural phenomena and their interrelationships. Not open to students who have had General Geography or Introduction to Geography: Cultural or equivalent.

6 weeks Call: 758 10:30-11:45 Room: 106 Alford

SS 538: PROBLEMS IN ECONOMICS*2 sem. hr.*

Selected concepts in economics chosen to improve economic understanding. Special attention to needs of teachers and to the scope and sequence of economics understandings in public schools.

2 weeks Call: 760 9:00-12:00 Room: 112 Barker
(8/10-8/21)

SS 552: CONTEMPORARY POLITICAL PROBLEMS*3 sem. hr.*

Inquiry into some of the major political problems at mid-century. Various current issues, from the areas of international organization, political morality, bureaucracy, militarism, politics in mass society, problems of leadership and government and modern science. Prerequisite: Introduction to Government I or permission of instructor.

6 weeks Call: 763 7:30- 8:45 Room: 23 Steck

SS 560: STATE AND LOCAL GOVERNMENT*3 sem. hr.*

Analysis of the structure and functioning of state, county, municipal, and governmental units. Consideration of problems of administration, finance, electoral control, and relationships with the federal government.

6 weeks Call: 765 9:00-10:15 Room: B4 Bahou

SS 562: WORKSHOP IN GOVERNMENT & POLITICS*3 sem. hr.*

An analysis of critical areas of public policy and how it is formed. Particular emphasis is given to New York State and to local political party and interest group organization and activities. Lectures, individual and group conferences with public and private group leaders in these fields, and extensive field trips will be utilized. Stress is placed on the adaptation of ideas and materials for effective classroom teaching. Some additional expenses will be involved in the trips. For details of the program, schedule and costs, write to Mr. Henry Steck at the college.

3 weeks Call: 767 All Day Room: 122C Steck
(8/10-8/26 Inc. Sats.)

SS 605: LEADERS IN AMERICAN HISTORY*3 sem. hr.*

The role of the individual in the shaping of the American past. A study of personality, leadership and influence; an attempt to determine how individuals shape history and vice versa.

3 weeks Call: 769 9:00-12:00 Room: 213 Brown
(8/10-8/26 Inc. Sats.)

- SS 608: HISTORY OF THE SOUTH 3 sem. hr.
 Analysis of the major changes in the social, economic and political order of the South since 1877. Industrial developments, agricultural changes, education, race relations, and political trends will be emphasized.
 6 weeks Call: 771 10:30-11:45 Room: E-D-306 Stewart
- SS 609: NEW YORK STATE AND ITS PEOPLE 3 sem. hr.
 Selected historical and geographical topics in New York's development. Not open to students who have had SS 157.
 6 weeks Call: 774 7:30- 8:45 Room: 129 Heppell
- SS 610: NATIONALISM IN MODERN TIMES 3 sem. hr.
 Dynamic movements of the nineteenth and twentieth centuries in the struggle of various peoples for freedom, liberation, and independence.
 6 weeks Call: 776 7:30- 8:45 Room: 112 Cahill
- SS 617: METHODOLOGY AND TECHNIQUES OF SOCIAL SCIENCE RESEARCH 3 sem. hr.
 Designed to provide a general introduction to research in the social sciences. Analysis of the tools, materials and approaches available to researchers with emphasis on bibliographical guides, evaluation of source materials and methodology, and opportunities for individual research problems.
 6 weeks Call: 778 9:00-10:15 Room: B1 Staff
- SS 660: SEMINAR IN HUMAN OCCUPANCE 3 sem. hr.
 Seminar on selected topics pertaining to the human use of the earth and the resulting patterns. Prerequisite: 12 hours in geography.
 6 weeks Call: 790 9:00-10:15 Room: 112 McDermott
- SS 684: AMERICAN POLITICAL PARTIES 3 sem. hr.
 Study and analysis of the evolution of American political parties and their practices. Special emphasis on the contribution of the parties in the nation's system of government.
 6 weeks Call: 792 12:00- 1:15 Room: B1 Bahou
- SS 687: INTERNATIONAL POLITICS 3 sem. hr.
 An analysis of the basic factors of national power, formulation of foreign policies, and patterns of international diplomacy.
 6 weeks Call: 794 1:30- 2:45 Room: 213 Leon

FACULTY

Administrative Staff

Sueltz, Ben A., Ph.D.	<i>Acting President</i>
Allen, Ross L., D.P.H.	<i>Director of Health, Physical Education, Recreation Education</i>
Banse, Andrew M., Ed.D.	<i>Director of Summer Session and Extension Services</i>
Bobinski, George S., M.A.	<i>College Librarian</i>
Brown, Paul L., M.A.	<i>Dean of Men</i>
Burd, Van A., Ph.D.	<i>Director of Liberal Studies and Secondary Education Programs</i>
Connally, William J.	<i>Senior Financial Secretary</i>
Del Popolo, Joseph A., Ed.D.	<i>Acting Director of Elementary Education</i>
Fisk, G. Raymond, Ph.D.	<i>Acting Director of Graduate Studies</i>
Glenn, Robert B., Ph.D.	<i>Associate Dean of the College</i>
Hains, Martha, B.S.	<i>Director, Food Services</i>
Honan, Kathleen K., M.S.	<i>Associate College Librarian</i>
Jennings, Manson Van B., Ph.D.	<i>Dean of the College</i>
Maher, Robert V., M.S.	<i>Coordinator of Field Services</i>
Metzger, Stanley M., Ed.D.	<i>Dean of Students</i>
Shultzberger, Lawrence Z., M.D.	<i>College Physician</i>
Tesori, Anthony P., Ed.D.	<i>Director of Admissions</i>
Wilson, Shirley J., M.A.	<i>Dean of Women</i>

Instructional Staff

Adams, Jessie H., M.A.	<i>Associate Professor of Education</i>
Alford, John J., M.A.	<i>Instructor of Geography</i>
Alway, Leonore K., Ed.D.	<i>Professor of Physical Education</i>
Arnsdorff, Dorothy, Ed.D.	<i>Professor of Physical Education</i>
Atcheson, George G., M.S.	<i>Assistant Professor of Art</i>
Bahou, Victor S., D.S.S.	<i>Professor of Political Science</i>
Bailey, Mary V. C., M.S.	<i>Smithtown Public Schools</i>
Barker, James P., M.A.	<i>Assistant Professor of Economics</i>
Beard, Raymond S., Ph.D.	<i>Professor of Speech</i>
Benedick, John W., M.A.	<i>Associate Professor of Mathematics</i>
Bieler, Frederick E., M.A.	<i>Associate Professor of Music</i>
Bleecker, Hiram S., M.S.	<i>Assistant Professor of Science</i>

Bogard, Morris R., Ph.D.	Professor of Speech
Bradley, Ina Lou, M.Ed.	Assistant Professor of Education
Brown, Ralph A., Ed.D.	Professor of American History
Brownell, Joseph W., D.S.S.	Associate Professor of Geography
Bryan, John C., M.S.	Assistant Professor of Mathematics
Bulkley, Peter B., M.A.	Instructor of American History
Burdick, Frank A., M.A.	Instructor of American History
Cahill, Gilbert A., Ph.D.	Professor of European History
Carlson, Alden L., Ph.D.	Professor of Education
Chin, Lucy, M.A.	Instructor of Sociology
Clarke, Gerald E., Ed.D.	Professor of Education
Clarke, Paul A., D.Ed.	Assistant Professor of Education
Clemens, William B., M.S.	Professor of Biology
Conley, Jeanette, M.A.	Dental Hygiene Teacher, Wappingers Falls
Corey, Whitney T., M.A.	Professor of Physical Education
Corso, John F., Ph.D.	Professor of Psychology
Cox, Landon B., Ph.D.	Associate Professor of Education
Craft, Jesse L., M.S.	Instructor of Geology
DaBramo, Emilio, M.S.	Director of Physical Education, Mamaroneck High School
Day, Samuel, M.S.	Assistant Professor of Chemistry
Dodge, Stewart C., Ph.D.	Associate Professor of English
Dowd, Ruth E., M.Mus.	Professor of Music
Driscoll, Daniel L., M.A.	Assistant Professor of Mathematics
Eckard, Roland J., M.A.	Associate Professor of Physical Education
Enzman, Arthur, Ed.D.	Detroit Public Schools
Forcucci, Samuel L., M.Mus.	Associate Professor of Music
Gath, Leonard T., M.S.	Associate Professor of Health Education
Getz, John V., M.S.	Assistant Professor of Education
Glenn, Robert B., Ph.D.	Assistant Professor of Education
Grant, Alfred, M.Ed.	Assistant Professor of Education
Gustafson, John A., Ph.D.	Professor of Botany
Hawkins, W. Maxwell, Ph.D.	Assistant Professor of Geology
Helmer, Audrey M., M.A.	Associate Professor of Education
Heppell, Roger C., Ph.D.	Associate Professor of Geography
Hershey, William, B.A.	Instructor of European History
Hill, Douglas B., Jr., M.A.	Instructor of English
Hill, Roger C., Ph.D.	Assistant Professor of Speech
Hoth, William, Ph.D.	Wayne State University

Houck, David J., M.A.	Assistant Professor of Biology
Hsu, Pearl, M.A.	Keuka College
Hurt, Lester, Ph.D.	Professor of English
Johnson, Ellis A., Ph.D.	Professor of History
Kise, Leonard K., M.A.	Associate Professor of Education
Koval, Bess R., M.F.A.	Professor of Physical Education
Kuhn, Marshall S., Ed.D.	Associate Professor of Art
Langsner, Franklin R., M.A.	Associate Professor of Physical Education
Lawrence, Albert E., Ed.D.	Associate Professor of Zoology
Leon, Donald E., Ph.D.	Assistant Professor of Political Science
Lerner, Norbert, M.A.	Assistant Professor of Mathematics
Mack, Joseph C., Ed.D.	Professor of Education
Malbone, Raymond G., Ph.D.	Associate Professor of English
Martin, Eugene, Jr., M.Mus.	Assistant Professor of Physical Education
McDermott, George L., Ph.D.	Professor of Geography
Meng, Chih, Ph.D.	Director, China Institute in America, New York City
Metcalf, Harlan G., Ph.D.	Professor of Recreation Education
Meyer, Gerald D., Ph.D.	Professor of English
Miller, David G., M.S.	Professor of Physical Education
Mizruchi, Ephraim H., Ph.D.	Associate Professor of Sociology
Mulholland, Walter E., Ed.D.	Professor of Education
Nania, Frank, Ed.D.	Associate Professor of Education
Nash, Jay B., Ph.D.	Professor Emeritus, New York University
Neff, Neal, M.S.	Principal, Cabool, Missouri
Newman, Willis R., M.S.	Assistant Professor of Zoology
Olcott, William V., Ph.D.	Associate Professor of Education
O'Reilly, Lawrence B., M.A.	Assistant Professor of Health Education
Pettit, John M., M.A.	Assistant Professor of Speech
Picerno, Vincent J., Ed.D.	Associate Professor of Music
Pratt, Mary E., M.A.	Associate Professor of Education
Pugh, David L., M.S.	Assistant Professor of Mathematics
Resnick, Lawrence, Ph.D.	Professor of Philosophy
Rhodes, Robert E., M.A.	Associate Professor of English
Roehm, Marilyn, M.A.	Assistant Professor of Education
Robinson, Roger, M.A.	Associate Professor of Physical Education
Schenker, Leon F., M.A.	Associate Professor of Art

Schick, R. Dean, Ph.D.	<i>Professor of Anatomy and Physiology</i>
Sheldon, Eric, M.S.	<i>Assistant Professor of Education</i>
Shively, Carl, M.S.	<i>Assistant Professor of Science</i>
Shultzaberger, Lawrence Z., M.D.	<i>College Physician</i>
Simmons, George, Ed.D.	<i>Assistant Professor of Education</i>
Sinacore, John S., Ed.D.	<i>Professor of Health Education</i>
Sipher, Roger E., M.Ed.	<i>Instructor of American History</i>
Slaugh, Robert D., M.A.	<i>Professor of Mathematics</i>
Smith, Lawrence A., M.S.	<i>Assistant Professor of Mathematics</i>
Steck, Henry, B.A.	<i>Instructor of Political Science</i>
Stell, H. Kenyon, M.A.	<i>Professor of Art</i>
Stewart, Donald H., Ph.D.	<i>Professor of History</i>
Stokes, Fraser R., M.A.	<i>Assistant Professor of English</i>
Stone, Donald B., M.S.	<i>Assistant Professor of Health Education</i>
Thomas, Wright, Ph.D.	<i>Professor of English</i>
Thompson, Marion C., Ph.D.	<i>Professor of English</i>
Timmel, Gustave B., Ph.D.	<i>Professor of Health Education</i>
Vanaria, Louis M., Ph.D.	<i>Professor of History</i>
Wallace, Robert H., M.S.	<i>Assistant Professor of Physical Education</i>
Wallace, Sally Y., M.S.	<i>Assistant Professor of Physical Education</i>
Weber, Robert J., Ph.D.	<i>Professor of Physical Education</i>
Werder, Anne, M.S.	<i>Associate Professor of Education</i>
West, William W., M.A.	<i>Assistant Professor of English</i>
Whitaker, Katherine A., M.A.	<i>Associate Professor—Nurse</i>
Williams, Phyllis,	<i>Manlius Public Schools</i>
Williams, Reuben H., M.A.	<i>Assistant Professor of Physical Education</i>

At the time this bulletin was printed the instructional staff was incomplete. Additional faculty members are being assigned so that courses in all areas will be served adequately.

STATE UNIVERSITY COLLEGE

AT

CORTLAND, NEW YORK

APPLICATION FOR ADMISSION TO SUMMER SESSION, 1964

For those transferring summer work to another college

Mr.

Miss

Mrs. _____

Address _____

City and State _____

is a (graduate—undergraduate) student in good standing at

College _____

Location _____

and has permission to enroll in the following courses at Cortland College:

Courses

Semester Hours

_____	_____
_____	_____
_____	_____
_____	_____

Alternate Courses:

_____	_____
_____	_____

Signed _____

Dean of the College to which
credit is to be transferred

Date: _____

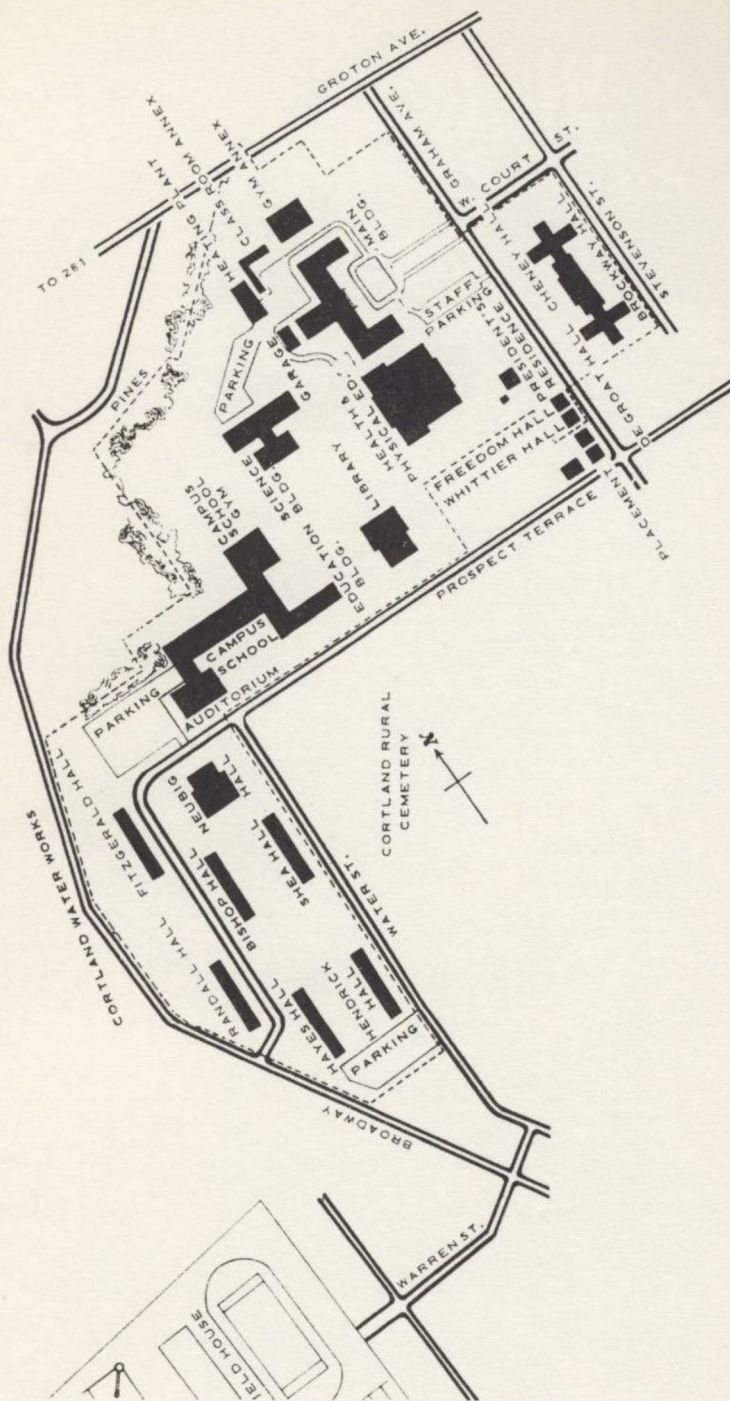
Mail as soon as possible to the Director of Summer Session, State University College at Cortland, New York.

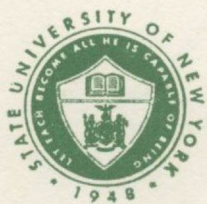
Also mail Advisement Inquiry Form.

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STATE UNIVERSITY COLLEGE - CORTLAND





Summer Session Program Changes

Closed Courses

<u>Call No.</u>	<u>Course</u>
453	HE 582 School Nursing I
456	HE 583 School Nursing II
769	SS 605 Leaders in American History
771	SS 608 History of the South
776	SS 610 Nationalism in Modern Times

Additional Sections:

<u>Call No.</u>	<u>Course No. & Title</u>	<u>Time</u>	<u>Cr.</u> <u>Hrs.</u>	<u>Wks.</u>	<u>Inst.</u>	<u>Rm.</u>
241	Ed 500 Child Development	7:30-8:45	3	6	Sheldon	E-D-311
837	PE 445 Physiology of Exercise	T Th F 1.30-2:45	2	2	Holloway	P 201
747	SS 449 Sem. in History (only upon permission by Dr. Cahill)	TBA	3	6	Staff	

Cancelled Courses

<u>Call No.</u>	<u>Course</u>
177	Ps 222 Psychology of Adjustment
713	SS 121 English History I

Change of Time

<u>Call No.</u>	<u>Course No. & Title</u>	<u>New Time</u>
251	Ed 522 Elementary School Mathematics	Class 12:00- 1:15
253	Ed 523 Elementary School Science	Observ. 10:30-11:45
255	Ed 524 Elementary School Social Studies	Class 10:30-11:45
856	PE 533 Clinic in Baseball	Observ. 9:00-10:15
858	PE 538 Gymnastics Clinic	Class 7:30- 8:30
869	PE 572 Dance in the School Program	Observ. 9:00-10:15
878	PE 690 Supervision of Physical Education	1:00- 4:00
		1:00- 4:00
		12:00- 3:00

Change of Rooms

<u>Call No.</u>	<u>Course No. & Title</u>	<u>New Room</u>
251	Ed 522 Elementary School Mathematics	E-B-136
253	Ed 523 Elementary School Science	E-B-136
255	Ed 524 Elementary School Social Studies	E-B-136
166	Ph 130 Elementary Logic	E-D-313
163	Ph 200 Introduction to the Problems of Philosophy I	E-D-313
507	Ia 143 Introduction to Statistics	P 225
	Ia 651 Concepts of Modern Mathematics	P 225
774	SS 609 New York State and Its People	M 108N